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**MARINE CORPS
RESEARCH AND DEVELOPMENT
OBJECTIVES DOCUMENT**



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Marine Corps Research and Development Objectives Document (RADOD).

1. INTRODUCTION. The Marine Corps Research and Development Objectives Document (RADOD) was conceived in July 1971. It was intended to provide an essential framework of R&D objectives derived from, and in support of, the Marine Corps Long-Range Plan and the Marine Corps Midrange Objectives Plan. Initially published as a yearly Marine Corps bulletin, it has in recent years been promulgated in the form of a report from the Marine Corps Development and Education Command.

2. PURPOSE. The purpose of RADOD is to provide the research and development community a reference of research and development projects of interest to the U. S. Marine Corps.

3. SCOPE. RADOD contains a consolidated inventory of documents which reflect the current Marine Corps research and development activities. Documents originating from other services which relate to the attainment of Marine Corps objectives are included.

4. RECOMMENDATIONS. Comments and recommendations on RADOD are invited. Correspondence should be addressed to the CG, MCDEC (Code D 035), or call (AUTOVON 278-2873/2874).

(12) 1340

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Cdr, Naval ElecSysCmd, Washington, D. C. 20360
Cdr, Naval SeaSysCmd, Washington, D. C. 20362
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FORWARD

1. OBJECTIVE. The current objective of the Marine Corps Research and Development Objectives Document (RADOD) is to facilitate the task of structuring an R&D program which supports the Marine Corps Midrange Objectives Plan (MMROP). It attempts to bring together information derived from the Marine Corps Long Range Plan, the Marine Corps Mission Area Analysis and joint service planning documents which impact on Research and Development in the Marine Corps. This will facilitate the formulation of a Research and Development "Blueprint" and provide the Director of the Development Center the means to evaluate the direction of the R and D effort within the Marine Corps and to aid him in making decisions to effect any necessary redirection of that effort.

2. ADMINISTRATIVE. The value of RADOD to the user is directly proportional to the accuracy and comprehensiveness of its content. It is imperative then that this Activity (Code D 035) receive timely feedback from those users who have explicit knowledge of program and project changes which ultimately affect the accuracy of RADOD's content. A continuous flow of information from this office to the user and back again should increase the value of this publication significantly in subsequent editions.

3. GENERAL. Several significant changes have been made to the structure of the RADOD. First, the information concerning the status of Marine Corps R&D requirements documents has been computerized. Information stored within the computer memory serves as the source data for the RADOD report. To this end, a program has been designed which correlates requirements documents with ongoing programs. This is the essential function of RADOD, i.e., to show how the R&D program is supporting the anticipated future needs of the Corps. The second major change in the RADOD structure is the use of the Secretary of Defense's Mission Area Structure (MA) for R&D program identification. This structure provides the primary breakdown of the R&D effort and replaces the R&D Objectives used in previous editions. This change was directed by the Under Secretary of Defense for Research and Engineering letter of 26 February 1979.

a. Section I is a computer generated report which depicts ongoing projects based on their MA's. All Task Area Plans (TAPS), Studies, Proposed Exploratory Development Efforts (PEDES), and Work Directives pertaining to a particular MA will be listed in column A. Column B will initially show all Navy and Marine Corps Requirements Documents which are related to a particular TAP, PEDE, Study, or Work Directive. Reading horizontally and then down until the next entry appears in column A will show all documents which have a direct relationship to the column A entry. Column B information will show the title of the Work Directive, TAP, PEDE, or Study involved, followed by the CDSA Control number of the related document on the next line. For

example, on page I-5, Work Directive C0011D (Tank Weapon System) is listed in column A under MA 211.2. Column B shows that there are three separate requirements documents which pertain to that Work Directive. Column C performs the same function as column B except that it reflects the documents of other services. The final entry for each MA segment is a listing in columns B and C of all requirements documents on file which have been assigned to that MA, whether related or not to any development effort. In this listing, the information is changed to show the actual title of the document (first two lines), then the service which originated the document, followed by the CDSA Control number on the last line. An example taken from page I-5 is shown below:

Recovery Vehicle Fully Tracked Medium
M88 Product Improvement
USA LGS 6923

Note the difference between this entry and the entry of the same program in the correlation segment of the report (page I-4):

Tank Weapon System
LGS 6923

In the latter entry, the title may or may not be the same as the document title. In no case will the service origin be seen when showing a relationship to an ongoing project. This is only found in the second phase of the MA segment.

b. Section II lists all studies, TAP's, work directives and PEDES included in RADOD and gives their page reference in section I.

c. Section III lists all promulgated, proposed, and draft Marine Corps Required Operational Capabilities (ROC's), as well as Mission Elements Need Statements.

d. Section IV lists all interservice harmonization documents in which the Marine Corps has expressed interest.

e. Section V lists all recently published Developmental Bulletins and Operational Handbooks.

4. TERMS/DEFINITIONS/EXPLANATIONS

a. Study. A critical examination and investigation of a subject leading to conclusions and recommendations making substantive contributions to planning, programming, and decision-making. All studies listed in the RADOD are formal efforts included in the Marine Corps Studies Program.

b. Task Area Plan. A Task Area Plan (TAP) describes a specific exploratory development objective, within a given time frame, with a specified level of support.

c. Work Directive. Work Directives are formatted instructions for the accomplishment of specified efforts in advanced development, engineering development, or operational systems development.

d. Draft Requirements. Draft requirement documents are those which have been formally drafted and are being staffed to the FMF and CNM for comments and recommendations.

e. Proposed Requirements. Upon completion of coordination and staffing, proposed requirements are submitted to CMC (Code RD) for approval and promulgation.

f. Developmental Bulletin. Developmental Bulletins are temporary publications which describe the purpose, distribution, employment, and/or maintenance of equipment developed for use by the Fleet Marine Forces.

g. Operational Handbook. Operational handbooks are "how to" publications promulgating information and instructions relating to developing doctrine, tactics, techniques, and organizational structure.

5. DISTRIBUTION LIST CHANGES. This distribution of the RADOD is made to those addressees who are expected to have use for the document in executing their R&D functions. Addressees are requested to make recommendations concerning distribution changes to the CG, MCDEC (Code D 035).

USMC RESEARCH AND DEVELOPMENT OBJECTIVES DOCUMENT (RADOD)

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MISSION: ARTS - LAND WARFARE, CLOSE COMBAT
211..

A	B		C
	SPECIFIC MATERIEL EQUIPMENTS		
DECE/PAP/STUDY/WORK DIRECTIVE	MARINE/NAVY		OTHER SERVICE
<p>INFANTRY ORGANIZATION & WEAPONS SYS (1973-12) STUDY #53:7104</p> <p>GROUND COMBAT WORK DIR 000114</p>			

MISSION AREA - INFANTRY SYSTEMS/LIGHT WEAPONS
211.1

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
ANALYSIS OF FMF REQUIREMENTS FOR MACHINEGUNS STUDY #S306606		
SMALL ARMS STATED REQUIREMENTS REVIEW AND RECONCILIATION STUDY #S306607		
INDIVIDUAL MAN AS A WEAPON SYSTEM STUDY #S307206		
ANTINECH/ASSAULT WEAPON SYS REQ IN THE MIDRANGE PERIOD STUDY #S307301		
MC SHOULDER LAUNCHED MULTI-PURPOSE		

ASSAULT WEAPON (MCSHAW)
STJCY #5337303

SILENT SMALL ARMS WEAPONS
STJCY #5936601

1-2 CONT
MARINE CORPS WEAPONRY TECHNOLOGY
MC TAP T2F32300082

SHOULDER LAUNCHED MULTIPURPOSE ASSAULT
WEAPON
WORK DIR 00010X

SHOULDER LAUNCHED MULTIPURPOSE ASSAULT
WEAPON
INS 5010

MISSION AREA - INFANTRY SYSTEMS/LIGHT WEAPONS
211.1

A	B	C
	SPECIFIC MATERIAL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
SQUAD AUTOMATIC WEAPON (SAW) WORK DIR 00214A		
TACTICAL INTRUSION DETECTOR (TID) WORK DIR 00262A	TACTICAL INTRUSION DETECTOR (TID) INT 5121	
	MACHINE GUN USMC CT 2067	
	SMALL ARMS NIGHT SIGHT USMC CT 2075	
	INFRARED AIMING LIGHT USA INS 1212	
	FAMILY OF SMALL ARMS USMC INS 2033	
	AUTOMATIC GRENADE LAUNCHER USMC INS 4015	

MC SHOULDER LAUNCH 2 MULTIPURP SE
ASSAULT WEAPON (SM W)
USMC INS 5010

IMPROVED LIGHT ANT-TANK/ASSAULT WEAPON
USA INS 5231

SILENCED RECONNAISSANCE WEAPON
USMC INT 2115

TACTICAL INTRUSION DETECTOR
USMC INT 5121

INDIVIDUAL NIGHT VISION GOGGLE
USMC MOB 5001

MISSION AREA - INFANTRY SYSTEMS/LIGHT WEAPONS
211.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
	LIGHTWEIGHT MULTIPLE ROCKET LAUNCHER USMC SPA 2226.1 PORTABLE FLIR BEACON FOR IFF USMC SPA 3002.2	PERSONAL DEFENSE WEAPON / STANDARD CERVIC SIDEARM USA INS 2020 SQUAD AUTOMATIC WEAPON (SAW) USA INS 2.55 40MM LOW VELOCITY AUTOMATIC GRENADE LAUNCHER USA INS 3215 MOUT / ASSAULT WEAPON US INS 5.10 MANPORTABLE SMOKE/OBSCURANT GENERATOR SYSTEM ACN 23137	

USA LGS 2145

LIGHTWEIGHT CAMOUFLAGE SCREENING SYSTEM
USA LGS 7050

INSERT, 12.7MM AP SMALL ARMS PROTECTIVE
TOPSO ARMOR
USA LGS 9420

CARRIER, RIFLE AMMUNITION ACN 22905
USA SPA 1016

DUAL PURPOSE WEAPON SYSTEM
USA SPA 2113

ROCKET ASSISTED PROJECTILE (RAP) ACN
10451 CARDS 4388(3)
USA SPA 2230

MISSION AREA = INFANTRY SYSTEMS/LIGHT WEAPONS
211.1

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<p>INFANTRY WEAPON SYSTEM TECHNOLOGY MC PECE P3-B1-FPM</p>		<p>MANPORTABLE COMMON THERMAL NIGHT SIGHTS USP SPA 3349</p>

MISSION AREA = ARMOR
211.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
<p>MODEL FOR PREDICTIONS REQ. FOR SURFACE-TO-AIR MISSILES, ARMOR, & ARTILLERY AMMO STUDY #5487005</p> <p>9-1 ADVANCED VEHICLE ARMAMENT TECHNOLOGY MC TAP</p> <p>MARINE CORPS WEAPONRY TECHNOLOGY MC TAP T2F32300382</p> <p>TANK WEAPON SYSTEM WORK DIR 000110</p>	<p>TANK WEAPON SYSTEM LGS 6923</p> <p>TANK WEAPON SYSTEM SPA 5042</p> <p>TANK WEAPON SYSTEM SPA 50 ,</p>		

LVT77 PRODUCT IMPROVEMENT.
WORK DIR C0019X

LANDING VEHICLE TRACKED (EXPERIMENTAL)
LVT(X)
WORK DIR C0020X

LVT741 PROGRAM
WORK DIR C0021X

LVT77 PRODUCT IMPROVEMENT.
MOB 2200

LVT741 PROGRAM
MOB 2200

RECOVERY VEHICLE FULLY TRACKED MEDIUM
MOB PRODUCT IMPROVEMENT
USA LGS 6923

AMPHIBIOUS WARFARE/CLOSE COMBAT DIRECT
FIRE SUPPORT SYSTEM
USMC MOB 2002.2

LANDING VEHICLE TRACKED (LVTX)
USMC MOB 2007

MISSION AREA - ARMOR
211.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
ADVANCED VEHICLE ARMAMENT TECHNOLOGY MC PEDE P2-81-FPW	PRODUCT IMPROVEMENT FOR M-60 SERIES VEHICLES USA SPA 5042 MAIN BATTLE TANK USMC SPA 5043	CMRY VEH CPWMAN MICROCLIMATE COOLING SYS ACN 61156 USA LGS 2201.1 FIRE RESISTANT FUEL & EQUIPMENT FOR COMBAT SYS. ACN 51140 US LGS 6236 INFANTRY FIGHTING VEHICLE / CALVARY FIGHTING VEHICLE USA MOB 2110 IMPROVED ARMAM. HOWITZER 8 IN SP M110 ACN 12724 CARDS 0436A USA SPA 2130	

MISSION AREA = ANTI-ARMOR/MATERIAL
211.3

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
MPW CAPABILITIES FOR ANTI-TANK WARFARE STUDY #5336709		
8-1 MOBILE PROTECTED WEAPONS SYSTEM (MPWS) (1985-95) STUDY #5337201		
ANTI-TANK/ASSAULT WEAPON SYS REQ IN THE MID-RANGE PERIOD STUDY #5337301		
ORGANIZATION & EMPLOYMENT OF MPWS STUDY #5737901		
ANTI-TANK WEAPONS SYSTEM		

WORK DIR 00111F

MOBILE PROTECTED WEAPONS SYSTEM (MPWS)
WORK DIR 0016A

MOBILE PROTECTED WEAPONS SYSTEM (MPWS)
MOB 2401

MEDIUM ASSAULT/ANTI-TANK SYSTEM (MAAM)
USMC CT 5040

SOLID STATE TRACK LINK FOR TOW/TOW
COBRA WEAPON SYSTEM
USA INS 5031

IMPROVED LIGHT ANTI-TANK/ASSAULT WEAPON
USA INS 5231

MOBILE PROTECTED WEAPONS SYSTEM
USMC MOB 2401

MISSION AREA = ANTI-ARMOR/MATERIAL
211.3

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<p>6-1</p>	<p>LIGHTWEIGHT MULTIPLE ROCKET LAUNCHER USMC SPA 2226.1</p>	<p>ADVANCED MEDIUM ANTI TANK MISSILE SYSTEM USA INS 5022</p> <p>GUIDED ANTIARMOR MORTAR PROJECTILE (GAMP) USA INS 5023</p> <p>MEDIUM ANTITANK ASSAULT WEAPON USA INS 5045</p> <p>SENSE AND DESTROY ARMOR ARTILLERY MUNITION (SADARM) USA SPA 2221</p> <p>FIRE AND FORGET ANTITANK MISSILE SYSTEM USA SPA 2705</p> <p>FLIR AUGMENTED COBRA TOW SIGHT, IMPR. TOW MISSILE SUBSYSTEM</p>

USA SPA 3002.1

COVER, ART. PROTECTION (TOW CAP) M113A1
TOW CARRIER ACN24264

USA SPA 3350

IMPROVED TOW VEHICLE (ITV) ACN 23991

USA SPA 3354

ADV. HVY AT MISSILE SYS FOR A GROUND
LAUNCHED HELL FIRE SYS

USA SPA 3370

ADV. ANTITANK MISSILE AIR T: GND
HELLFIRE ACN 18994

USA SPA 3371

FIRE & FORGET SEEKER FOR THE HELLFIRE

USA SPA 3371.1

MISSION AREA - ANTI-ARMOR/MATERIAL
211.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
I-10		DRAGON MOUNTING KIT FOR M113 ARMORED PERSONNEL CARRIER USA SPA 3461	

MESSIA AREA - FIRE SUPPORT
212.

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
GUIDE TO FIRE SUPPORT MIX EVALUATION TECHNIQUES STUDY #5337205		
11-1 TOTAL FIRE SUPPORT REQUIREMENTS FOR AMPHIB OPERATIONS STUDY #5336902		
GUIDE TO FIRE SUPPORT MIX EVALUATION TECHNIQUES STUDY #5337205		
FIRE SUPPORT REQ METHODOLOGY STUDY STUDY #5337403		

FIRE SUPPORT REQ FOR AMPHIB OPS &

EXTENDED OPS ASHORE DURING THE MIDRANGE
(1982-90)
STJDY #S327801

WEAPON. SYS. FOR TRACKED & WHEELED
VEHICLES
STJDY #S446612

APPLICATION OF U.S. ARMY RATES TO USMC
AND (1978-1982)
STJDY #S447701

1-11 (CONT)

GENERAL FIRE SUPPORT
WORK DIR C33118

PROGRAMMABLE HAND HELD CALCULATOR AGN
36888
USA SPA 2121

MISSION AREA - ARTILLERY & ORGANIC COMM EQUIP
212.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
GENERAL SUPPORT ARTILLERY WEAPON STJ0Y -5446611			
MARINE CORPS WEAPONRY TECHNOLOGY MC TAP TZF32300382			
ARTILLERY COMPUTER SYSTEM (ACS) WORK DIR C0018X	ARTILLERY COMPUTER SYSTEM (ACS) JPA 2121		
MODULAR UNIVERSAL LASER EQUIPMENT (MULE) WORK DIR C0027X	MODULAR UNIVERSAL LASER EQUIPMENT (MULE) CCC 3000		
	MODULAR UNIVERSAL LASER EQUIPMENT (MULE) SPA 1013		
DIGITAL COMMUNICATIONS TERMINAL (DCT) WORK DIR C1074X	DIGITAL COMMUNICATIONS TERMINAL (DCT) CCC 9820		

MARINE INTEGRATED FIRE AND AIR SUPPORT
SYSTEM (MIFASS)

USMC CCC 5000

DIGITAL COMMUNICATIONS TERMINALS

USMC CCC 9820

M198 HOWITZER AUXILIARY MOVER

USMC MOB 2318

MODULAR UNIVERSAL LASER EQUIPMENT

(MULE)

USMC SPA 1013

WEAPON DIRECT SUPPORT TOWED ARTILLERY

USMC SPA 2110

ARTILLERY COMPUTER SYSTEM

USMC SPA 2121

MISSION AREA - ARTILLERY & ORGANIC COMM EQUIP
212.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
1-13	POSITION AND AZIMUTH DETERMINING SYSTEM USA SPA 2320		
	FIELD ARTILLERY METEOROLOGICAL ACQUISITION SYSTEM (FAMAS) USA SPA 2520.1	ADVANCED ARTILLERY TACTICAL SYSTEM (MANS) USA CCC 5031 FIELD ARTILLERY WEAPON SYSTEM USA SPA 2005 CORPS SUPPORT WEAPON SYSTEM USA SPA 2006 FIELD ARTILLERY MUZZLE VELOCITY RADAR AC 10892 USA SPA 2152 105MM HOWITZER, TOWED USA SPA 2111	

155MM HOWITZER
USA SPA 2120

IMPROVED ARMAM. HOWITZER 8 IN SP M110
ACN 12724 CARDS 0436A
USA SPA 2130

SENSE AND DESTROY ARMOR ARTILLERY
MUNITION (SADARM)
USA SPA 2221

ARTILLERY DELIVERED MULTIPURPOSE
SUBMUNITION (ARDENS)
US. SPA 2236

MISSION AREA - MORTARS
212.2

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<div data-bbox="130 1303 148 1350" data-label="Text">1-14</div> <p>MORTAR SYSTEMS WORK DIR C1119A</p> <p>MORTAR FIRE CONTROL CALCULATOR (MFLCH) WORK DIR C1119P</p> <p>LIGHTWEIGHT COMPANY MORTAR SYSTEM (LMENS) WORK DIR C1119C</p>	<p>MEDIUM MORTAR USMC CT 4020</p> <p>IMPROVEMENT 81MM MORTAR USA INS 4211</p> <p>LIGHTWEIGHT COMPANY MORTAR SYSTEM USA INS 4230</p>	<p>GUIDED ANTIARMOR MORTAR PROJECTILE (GAMP)</p>

USA INS 5723

MORTAR FIRE CONTROL CALCULATOR

USA SPA 2173

MISSION AREA - ROCKETS/MISSILES
212.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
		ADVANCED MEDIUM ANTI TANK MISSILE SYSTEM USA IMS 5022 GENERAL SUPPORT ROCKET SYSTEM (GSRs) ACN 20555 USA SPA 2165 MID-TERM NDM NUCLEAR WARHEAD SECTION FOR LANCE MISSILE SYS USA SPA 2296 NUCLEAR WARHEAD SECTION FOR THE PERSHING II MISSILE USA SPA 3212 ADV HWY AT MISSILE SYS FOR A GROUND LAUNCHED HELL FIRE SYS USA SPA 3370 ADV. ANTITANK MISSILE AIR TO GND HELLFIRE ACN 18994 USA SPA 3371	

MISSILE AREA - SURVEY
212.4

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
MODULAR UNIVERSAL LASER EQUIPMENT (MULE) WORK DIR 00527X	MODULAR UNIVERSAL LASER EQUIPMENT (MULE) CCC 3000		
	MODULAR UNIVERSAL LASER EQUIPMENT (MULE) SPA 1013		
SURVEY DRAFTING EQUIPMENT WORK DIR 005760	SURVEY DRAFTING EQUIPMENT LGS 2311		
	ANALYTICAL PHOTO POSITIONING SYSTEM USMC INT 6140		
	FAMILY OF MARCOR SURVEY EQUIPMENT USMC LGS 2311		
	MODULAR UNIVERSAL LASER EQUIPMENT (MULE) USMC SPA 1013		
	POSITION AND AZIMUTH DETERMINING SYSTEM USA SPA 2320		

AZIMUTH MEASURING DEVICE
USA SPA 1 13

HAND-HELD LASER RANGEFINDER ACN 16566
USA SPA 2412

MISSION AREA - METEOROLOGICAL
212.5

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<p>1-1</p>	<p>FIELD ARTILLERY METEOROLOGICAL ACQUISITION SYSTEM (FAMAS) USA SPA 2520.1</p>	<p>DETER. OF TEMP. & WIND BASED ON METER. SAT. DATA FOR FALLOUT USA INT 3160</p> <p>REMOTE AUTOMATIC WEATHER STATION (RAWS) ACN 22967 CARDS 1503 USA LGS 6219</p>

MISSION AREA - SPECIAL PURPOSE WEAPONS
212.5

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
SPECIAL PURPOSE WEAPON TECHNOLOGY MC PER P4-91-FPM	IMPROVED INCENDIARY AND FLAME AGENTS USMC CT 5240	MANPORTABLE SMOKE/OBSCURANT GENERATOR SYSTEM ACN 23137 USA LGS 2045 CARTRIDGE, 40MM, RIOT CONTROL CS USA NBC 4711 2.75 INCH POCKET CHAFF WARHEAD ACN 24283 USA SPA 2224 IMPROVED SMOKE/SCREENING MUNITIONS USAF SPA 2226	

MISSION AREA = MUNITIONS
212.7

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<p>NUCLEAR MUNITIONS REQUIREMENTS STUDY #5336674</p> <p>MODELS FOR PREDICTIONS REQ. FOR SURFAC -TO-AIR MISSILES, ARMOR, & ARTILLERY AMMO STUDY #5497005</p> <p>MARINE CORPS GROUND WEAPONRY WORK DIR 070110</p> <p>ARTILLERY DELIVERED EXPENDABLE JAMMERS (AD EXJAM)</p>	<p>MARINE CORPS GROUND WEAPONRY NBC 2015</p> <p>MARINE CORPS GROUND WEAPONRY NBC 3042</p> <p>MARINE CORPS GROUND WEAPONRY NBC 3076</p>	

WORK DIR 002688

IMPROVED 155MM HOWITZER NUCLEAR
PROJECTILE
USMC NBC 2013

NUCLEAR PROJECTILE FOR AN 8 INCH
HOWITZER
USA NBC 2015

8 INCH PERCUTANEOUS CHEMICAL PROJECTILE
USA NBC 3976

SMOKE SCREENING ROUND 4.2 INCH MORTAR
USA INS 2270

IMPROVED SCREENING SMOKE CART. 81MM
IMPR. MORTAR ACN 25769
USA INS 4210

MISSION AREA - MUNITIONS
212.7

A	B	C
PEDE/TAP/STUDY/WORK DIRECTIVE	MATERIAL /NAVY	MATERIAL REQUIREMENTS OTHER SERVICE
07-1		GUIDED ANTIARMOR MORTAR PROJECTILE (GAMP) US. INS 5023 SPRAY FUEL AIR EXPLOSIVE SYSTEM US. LGS 6755.1 IMPROVED M422 NUCLEAR PROJECTILE USA NBC 2117 155MM BINARY RESPIRATORY CHEMICAL PROJECTILE US. NBC 3172 PROJECTILE, 155MM TACTICAL CS ACN 14487 CARDS 12128(29) USA NBC 4001 ROCKET, 66MM, TACTICAL CS ACN 14499 CARDS 12381 (13) US. NBC 4113 2.75 INCH WHITE PHOSPHORUS SMOKE CONCEPT

USA SPA 2 41

INTEG OF TECH FEASIBILITY & OPER DESIR
OF AN 8 IN HE PROJ

US^ SPA 2115

EL C TIME FUSE, M68 CANNON, 105MM
BETHIVE PROJ. ACN 23904

USA SPA 2210

CARTRIDGE, 105MM, ARMOR PIERCING, FIN
STABILIZED ACN 23915

US^ SPA 2213

CARTRIDGE, 105MM ACN 23921

US^ SPA 2214

CARTRIDGE, XM105 HEAT

USA SPA 2215

MISSION AREA - MUNITIONS
212.7

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
		CARTRIDGE, 105MM XM833 ACN 54539 US- SPA 2216 CARTRIDGE 105MM ARMOR PIERCING FIN STABILIZED XM797 US- SPA 2217 2.75 INCH ROCKET CHAFF WARHEAD ACN 24283 USA SPA 2224 2.75 INCH ROCKET MULTIPURPOSE SUBMUNITION WARHEAD US- SPA 2225 2.75 INCH ROCKET ILLUMINATION WARHEAD ACN 24271 USA SPA 2225.1 2.75 INCH ROCKET SMOKE WARHEAD ACN 24279 USA SPA 2225.3 IMPROVED SMOKE/SCREENING MUNITIONS USAF SPA 2226	

PROJECTILE, 155MM SCREENING SMOKE ACM
10523

USA SPA 2226.1

ROCKET ASSISTED PROJECTILE (RAP) ACM
13451 CARUS 4300(3)

US. SPA 2230

PROXIMITY FUSE FOR ARTILLERY AFMO
US. SPA 2232

ARTILLERY DELIVERED MULTIPURPOSE
SUBMUNITION (ARDENS)

US. SP: 2236

TERMINAL HOMING MUNITIONS

US. SPA 2702

MISSION AREA - MUNITIONS
212.7

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
1-22		HAND STRUCTURE MUNITION US-F SPA 3392	

MISSION AREA - TERMINAL HOMING WEAPONS
212.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
<p>LASER GUIDED WEAPONRY CONCEPT OF EMPLOYMENT & REQ FOR STUDY -S337401</p> <p>L-23 LASER HOMING ORDNANCE. WORK D R 10009X</p>	<p>LASER HOMING ORDNANCE. SPA 2222</p> <p>SOLID STATE TRACK LINK FOR TOW/TOW COSRA WEAPON SYSTEM USA INS 5031</p> <p>8-INCH LASER HOMING ORDNANCE USMC SPA 2222</p> <p>THE HARM SYSTEM USN SPA 3555</p>	<p>ANTI-RADIATION PROJECTILE (ARPI) USP SPA 2125</p>	

SENSE AND DESTROY ARMOR ARTILLERY
MUNITION (SADARM)
USA SPA 2221

LIGHTWEIGHT LASER DESIGNATOR (LLLD)
USA SPA 2425

GROUND/VEHICULAR LASER LOCATOR
DESIGNATOR ACN 20344
USA SPA 2426

TERMINAL HOMING MUNITIONS
USA SPA 2702

FIRE AND FORGET ANTITANK MISSILE SYSTEM
USA SPA 2705

FIRE & FORGET SEEKER FOR THE HELLFIRE
USA SPA 3371-1

MISSION AREA - TERMINAL HOMING WEAPONS
212.9

A	B	C
PEDE/TAP/STUDY/WORK DIRECTIVE	SPECIFIC MATERIEL REQUIREMENTS	
	MARINE/NAVY	OTHER SERVICE
1-24		HOMING BOMBING SYSTEM FOR THE B52D USAF SPA 3900

MISSION AREA = GROUND AIR DEFENSE
213.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
COMPOSITE REQ. TO PROVIDE EFFECTIVE ANTI-AIR DEFENSE FOR THE MAF. STUDY #5547821			

MISSION AREA - MISSILES/ROCKETS
213.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
<p>MODELS FOR PREDICTIONS REQ. FOR SURFAC--TO-AIR MISSILES, ARMOR, & ARTILLERY AMMO STJDY #S497005</p> <p>MSAMS FIRE DISTRIBUTION SYS. & OPERATIONAL PROCEDURES FOR TBW STJDY #S546901</p> <p>LASER & MISSILE TECHNOLOGY, SURFAC--TO-AIR DEFENSE (1980) (1990) STJDY #S557203</p> <p>IMPROVED HAWK PRODUCT IMPROVEMENT PROGRAM (IHAWK) WORK DIR C11204</p> <p>LIGHTWEIGHT AIR DEFENSE WEAPONS SYSTEM (LADS) WORK DIR C11208</p>	<p>IMPROVED HAWK PRODUCT IMPROVEMENT PROGRAM (IHAWK) AAS 2019</p> <p>LIGHTWEIGHT AIR DEFENSE WEAPONS SYSTEM (LADS) AAS 3910</p>		

MOBILE SURFACE TO AIR MISSILE SYSTEM
(MSAMS).
WORK DIR C1123C

MOBILE SURFACE TO AIR MISSILE SYSTEM
(MSAMS).
AAS 2019

MOBILE SURFACE TO AIR MISSILE SYSTEM
USMC AAS 2019

LIGHTWEIGHT AIR DEFENSE WEAPONS SYSTEM
(LADS)
USMC AAS 3010

MULTIPURPOSE LIGHTWEIGHT MISSILE SYSTEM
USA AAS 2133

ALL WEATHER SHORT RANGE AIR DEFENSE
MISSILE SYS ACN 22093
USA SPA 3222

MISSION AREA - OTHER WEAPON SYSTEMS
213.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
LASER GUIDED WEAPONRY CONCEPT OF EMPLOYMENT & REQ FOR STJCY -5337421		NEW AIR DEFENSE GUN USA SPA 3600	

MISSION AREA - MINE COUNTERMEASURES
214.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
<p>LIVE CHARGE FOR THE LVTP7A1 WORK DIR C0087A</p> <p>ADV LINEAR MINE CLEARING EQUIPMENT WORK DIR C0087B</p> <p>ADV LANDMINE COUNTERMEASURES WORK DIR C0087C</p>	<p>CATAPULT LAUNCHED FUEL AIR EXPLOSIVE CATFAE USMC LGS 6651</p> <p>VEHICLE MOUNTED ROAD MINE DETECTOR SYSTEM USA LGS 6752</p> <p>TRACK-WIDTH TANK MOUNTING MINE CLEARING ROLLER SYSTEM</p>		

USA LGS 6753

SURFACE LAUNCHED UNIT FUEL AIR EXPL
MINE NEUT SYS. ACN 20353
USA LGS 6651

PORTABLE MINE NEUTRALIZATION SYSTEM ACN
37480
USA LGS 6747

SPRAY FUEL AIR EXPLOSIVE SYSTEM
USA LGS 6755.1

FUEL AIR EXPLOSIVE MUNITIONS
USAF SPA 3326

VEHICLE MAGNETIC SIGNATURE DUPLICATOR
ACN 21360
USA SPA 5061

MISSION AREA - MINE COUNTERMEASURES
214.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
LAND MINE COUNTERMEASURES SIMULATION AND ANALYSIS MC PEDE P5-81-NGL MAIN CHARGE DESTRUCTION OF LAND MINES H. PEDE P7-81-NGL COUNTERMINE CONCEPTS FOR AMPHIB OPS IN EXTREME CLIMATES MC PEDE P8-81-NGL CONCEPT FOR ACO OF MINE/COUNTERMINE INFO FROM ANIMAL SENSES MC PEDE P9-81-NGL			

MISSION AREA - LAND MINES
214.2

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<p>AERIAL-IMPLACED LAND MINES STUDY -S456794</p>	<p>CARGO AIRCRAFT MIN LAYING SYSTEM USN LGS 9135</p>	<p>MULTI-PURPOSE FIRING DEVICE ACN 21992 CAIDS 0659 USN LGS 6502</p> <p>AIP DELIVERED ANTIPERSONNEL/ ANTIVEHICLE TARGET WEAPON SYSTE USA LGS 6651</p> <p>OFF ROUTE ANTITANK MINE SYSTEM (ORATMS) USA LGS 6652.1</p>

1-10

VARIABLE LENGTH LINE CHARGE
MC PEDE P6-B1-MGL

I-30 CONT

RAPIDLY EMPLACEABLE MINEFIELD MARKING
SYSTEM

USA LGS 6658

MODULAR PACK MINE SYSTEM ACN 23759

USA LGS 6659

ARTILLERY DELIVERED ANTIVEHICLE/TANK
MINE SYSTEM, TYPES AGD

USA LGS 6662

MISSION: AREA - LAND COMBAT SUPPORT
215.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
COMBAT SERVICE SUPPORT COMMAND & CONTROL SYS. (HLOGS) (1976-1985) STJCY #549 132			

MISSION AREA - ENGINEER
215.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
NAVY/MARINE CORPS ENGINEER & CONSTRUCTION OPS (1980-90) STJCY +527801			
ENGINEER SUPPORT FOR THE FMF (1975-1981) STUDY +5457117			
ENGINEER SUPPORT FOR THE FMF (1975-1981) STJCY +5457112			
THE EXPEDITIONARY AIRFIELD CONCEPT (1977-1980) STUDY STJCY +5517501			
PROTECTIVE CONSTRUCTION FOR COMBAT			

POSITIONS/BASES
STUDY #5937001

COUNTERMEASURES TECHNOLOGY
MC TAP TZF34372380

RAN EJECTION HORIZONTAL DUMP MODULE
(MEDIUM)
WORK DIR 00075M

RAN EJECTION HORIZONTAL DUMPS MODULE
(HEAVY)
WORK DIR 00075M

ENGINEER EQUIPMENT PRODUCT IMPROVEMENT
WORK DIR 000768

ENGINE & CONSTRUCTION EQUIPMENT.
WORK DIR 00078A

1-3. CONT

MISSION AREA = ENGINEER
215.1

A	B		C
	SPECIFIC MATERIAL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
BULK FUEL EQUIP WORK DIR 00078F EXPEDITIONARY BULK FUEL EQUIPMENT. WORK DIR 00079C (AMSS) ADVANCED MULTIPURPOSE SURFACING SYSTEM WORK DIR 00079F GAP CROSSING EQUIPMENT WORK DIR 00079H	EXPEDITIONARY BULK FUEL EQUIPMENT. LGS 2150 EXPEDITIONARY BULK FUEL EQUIPMENT. LGS 6233 (AMSS) ADVANCED MULTIPURPOSE SURFACING SYSTEM LGS 6406 CABLE DITCHER/TRENCHER USMC CCC 9659 MARCOR LIQUID STORAGE TRANSPORTING AND DISPENSING SYSTEM		

USMC LGS 2150.2

FAMILY OF MARCOR SURVEY EQUIPMENT

USMC LGS 2311

MOBILE PETROLEUM QUALITY LAB FOR BULK
FUEL SYSTEMS

USMC LGS 3140

7.5 TON RUBBER TIR ROUGH TERRAIN
HYDRAULIC CRANE

USN LGS 6100.2

HEAVY MOTORIZED ROAD GRADER

USMC LGS 6103

FORCLIFT ROUGH TERRAIN HELI TRAC
4002LB

USMC LGS 6104

MISSION AREA - ENGINEER
215.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TA?/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
	TRUCK FORKLIFT ROUGH TERRAIN 6000LB USMC LGS 6105 ROUGH TERRAIN 1000 LB CAPACITY FORK LIFT TRUCK USMC LGS 6106 HYDRAULIC EXCAVATOR USMC LGS 6107 LIGHT CRAWLER TRACTOR USMC LGS 6151 ARTIC FUEL DISPENSING EQUIPMENT (AFDE) USA LGS 6233-1 MULTIPURPOSE SURFACING SYSTEM USMC LGS 6406 SELF-PROPELLED VIBRATORY COMPACTOR USMC LGS 6413		

LIGHTWT AMPHIB CONTAINER HANDLER (LACH)
USMC LGS 6911

HELICOPTER EXPEDIENT REFUELING SYSTEM
USMC LGS 9724

MECHANIZED SANDBAG FILLER AND SEALER
ACN 57133
USA LGS 2322

COMPRESSOR, AIR, 750 CFM, 100 PSI ACN
21300 CARDS 0663
USA LGS 6104.1

CRUSHING, SCREENING, & WASHING PLANT
(CCE)
USA LGS 6131

MISSION AREA - ENGINEER
215.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
1-33		TRUCK, QUARRY, OFF-HIGHWAY USA LGS 6132	
		PETROLEUM HOSELINE SYSTEM USA LGS 6233.2	
		PIPELINE OUTFIT, PETROLEUM USA LGS 6239	
		INVESTIGATION OF A SYSTEM OF BRIDGES FOR 1985 AND BEYOND USA LGS 6304	
		BARGE, KNOCKDOWN, READILY DEPLOYABLE ACN 16C83 USA LGS 6305	
		MILITARY GIRDER BRIDGING EQUIPMENT US: LGS 6310	
		RIBBON ERRECTION BOAT ACN 21025 CARDS 0658	

USA LGS 6395

TACTICAL BRIDGE ACCESS/EGRESS SYSTEM
ACN 38653

US LGS 6195

SFTY CARRYING CNTR FOR ELEC BLASTING
CAPS ACN 21810

USA LGS 6501

MILLISECOND DELAY DETONATION DEVICES
USA LGS 6503

BULK EXPLOSIVE SYSTEM
USA LGS 6511

IMPROVED MECHANICAL FUSE SAC ROC 7-75
US F LGS 6581

MISSION AREA - ENGINEER
215.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
1-16		TRUCK FL FRONT LOAD 50K CAP W/ TOP LIFT ATCH ACN 21177 US: LGS 6910	
		15000 LB ROUGH TERRAIN FORKLIFT TRUCK US: LGS 6910.1	
		CONT. HANDLER FRONT LOADER ROUGH TERRAIN 50K LBS CAPACITY USA LGS 6911.1	
		TRAILER, 15 TON, ENGR EQUIP TRANSPORTER, COMMERCIAL CONST EC USA MOB 2328	
		TRUCK TRACTOR LINE HAUL/EQUIP TRANSPONDER COMM SUBS ACN20525 USA MOB 6010	
		TRUCK TRACTOR(6X6) HEAVY EQUIP TRANS. COMM SUBST. ACN 23706 USA MOB 6011	

MISSION AREA - NUCLEAR, BIOLOGICAL, CHEMICAL
215.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY		OTHER SERVICE
NUCLEAR MUNITIONS REQUIREMENTS STUDY #5336696 ANALYSIS OF NC NUCLEAR, CHEM WARFARE, & BIOLOGICAL DEF REQ. STUDY #5337105 NBC DEFENSE READINESS STUDY #5337893 BIOLOGICAL WARFARE (BW)/CHEMICAL WARFARE (CW) PROTECTION FOR AIRCRAFT CREW STUDY #5516606 AMPHIB AREA CHEM/BIO DEFENSE TECHNOLOGY			

MC TAP

MARINE CORPS GROUND WEAPONRY
WORK DIR C0311C

MARINE CORPS GROUND WEAPONRY
NBC 2015

MARINE CORPS GROUND WEAPONRY
NBC 3042

MARINE CORPS GROUND WEAPONRY
NBC 3076

MAINTENANCE CLEANING EQUIPMENT.
WORK DIR C0375B

IMPROVED 155MM HOWITZER NUCLEAR
PROJECTILE
USMC NBC 2013

1-27 CONT

MISSION AREA - NUCLEAR, BIOLOGICAL, CHEMICAL
215.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
	<p>NUCLEAR PROJECTILE FOR AN 6 INCH HOWITZER USA NBC 2915</p> <p>LETHAL NONPERSISTANT CHEMICAL ANTI-PERSONNEL AGENT USMC NBC 3042</p> <p>8 INCH PERCUTANEOUS CHEMICAL PROJECTILE USA NBC 3076</p> <p>AUTOMATIC CHEMICAL ALARM USMC NBC 6003</p> <p>ADVANCED CHEMICAL AGENT DETECTOR/ ALARM USA NBC 6008</p> <p>LIQUID AGENT DETECTOR (LAD) USMC NBC 6011</p> <p>CHEMICAL AGENT DETECTOR KIT USA NBC 6020</p>		

AIRCRAFT CHEMICAL AND BIOLOGICAL DEFENSE
USMC NBC 6028

BIOLOGICAL DETECTOR & WARNING SYSTEM
USA NBC 6029

PROTECTIVE MASK
USA NBC 7010

EXPENDABLE CB PROTECTIVE OVERGARMENT
USMC NBC 7015

IMPROVED CB PROTECTIVE
USA NBC 7020

MISSION AREA - NUCLEAR, BIOLOGICAL, CHEMICAL
215.2

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
	<p>NON CORROSIVE CHEMICAL DECONTAMINANT USMC NOC 0010</p> <p>FIELD ARTILLERY METEOROLOGICAL ACQUISITION SYSTEM (FAMAS) USA SPA 2520.1</p>	<p>DETER. OF TEMP. & WIND BASED ON METEOR SAT. DATA FOR FALLOUT USA INT 3160</p> <p>CMBT VEH CRWMAN MICROCLIMATE COOLING SYS ACN 61156 USA LGS 2201.1</p> <p>X-RAY PROBE FOR ALPHA MONITOR & SURVE METERS USA LGS 4103</p> <p>CLEANER STEAM AND HIGH PRES. HOT & CO WATER WHEEL MOUNTED USA LGS 6153</p> <p>NUCLEAR BURST DETECTION SYSTEM ACN 14311</p>

MISSION AREA - NUCLEAR, BIOLOGICAL, CHEMICAL
215,7

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
		AMYL NITRITE INHALANT AMPULE TRAINING DEVICE ACN 38018 USA NBC 3060 195MM BINARY RESPIRATORY CHEMICAL PROJECTILE USA NBC 3072 PROJECTILE, 155MM TACTICAL CS ACN 14487 CARDS 12128(29) USA NBC 4001 CARTRIDGE, 40MM, RIOT CONTROL CS USA NBC 4011 ROCKET, 66MM, TACTICAL CS ACN 14499 CARDS 12381 (13) USA NBC 4013 REMOTE SENSING CHEMICAL AGENT ALARM ACN 14549 CARDS 1201A USA NBC 5005 AUTOMATIC LIQUID AGENT DETECTOR (ALAD) USA NBC 6013	

DETECTOR KIT FOR WATERBORNE CW AGENT
USA NBC 6024.1

CHEMICAL ATTACK WARNING TRANSMISSION
SYSTEM
USA NBC 6031

POINT CW AGENT DETECTOR AND ALARM
SYSTEM (PDAS)
USAF NBC 6035

AREA CW AGENT DETECTOR AND ALARM SYSTEM
(ADAS)
USAF NBC 6037

CHEMICAL WARFARE AGENT PROTECTIVE
PATIENT WRAP
USA NBC 7003

MISSION AREA - NUCLEAR, BIOLOGICAL, CHEMICAL
215.2

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
		<p>COLLECTIVE C/D PROTECTIVE EQUIPMENT USAF NBC 7007</p> <p>CW MASK FOR TACTICAL FIGHTER AIRCREWS USAF NBC 7011</p> <p>SIMPLIFIED COLLECTIVE PROTECTIVE EQUIPMENT USA NBC 7025</p> <p>CW PROTECTIVE RESPIRATORY MASK USAF NBC 7028</p> <p>CHEMICAL / BIOLOGICAL AGENT DECONTAMINANT USAF NBC 8003</p> <p>LARGE SCALE DECONTAMINATION DEVICE USA NBC 8005</p> <p>INTERIOR SURFACE DECONTAMINATION SYSTEM (ISDS)</p>

I-41 CONT

AMPHIB AREA CHEN/BID DEFENSE TECHNOLOGY
MC PEDE P1-81-FPM

USA NBC 8013

VEHICULAR MOUNTED DECONTAMINATION
APPARATUS ACM 53852

USA NBC 8020

DECON APPARATUS FOR VEHICLES

USA NBC 8030

INTEG OF TECH FEASIBILITY & OPER DESIR
OF AN 8 IN HE PROJ

USA SPA 2115

NUCLEAR WARHEAD SECTION FOR THE
PERSHING II MISSILE

USA SPA 3212

MISSION AREA - EXPLOSIVE ORDNANCE DISPOSAL
215.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
		X-RAY PROBE FOR ALPHA MONITOR & SURVEY METERS USA LGS 4103 PORTABLE ORDNANCE LOCATOR FOR EOD UNITS USA LGS 6520 PORTABLE X-RAY SET FOR EOD UNITS USA LGS 6540 CRYOGENIC SYSTEM FOR EOD UNITS USA LGS 6549 BODY ARMOR FOR EOD ACN 21203 USA LGS 6551 FIBERSCOPE FOR EOD USA LGS 6560	

MISSION AREA - TACTICAL NIGHT VISION DEVICES
215.4

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
	SMALL ARMS NIGHT SIGHT USMC CT 2075 INDIVIDUAL NIGHT VISION GOGGLE USMC MOB 5001 HELD NIGHT VISION SYSTEM USN SPA 3002	MANPORTABLE COMMON THERMAL NIGHT SIGHTS USA SPA 3349 TOW THERMAL NIGHT SIGHTS (TTNS) USA SPA 3352

MISSION AREA - COMBAT SUPPORT VEHICLES
215.5

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
MOBILE PROTECTED WEAPONS SYSTEM (MPWS) (1985-95) STUDY #5307201 TACT MOB FOR THE AMPHIB ASSAULT AND SUBSEQ OPS ASHORE IN LONGRANGE PERIOD (1990-2000) STUDY #5307703 TACT MOB FOR THE AMPHIB ASSAULT & SUBSEQUENT OPS ASHORE IN THE MIDRANGE (1980-90) STUDY #5307802 WEAPONS SYS. FOR TRACKED & WHEELED VEHICLES STUDY #5446612 MARGINAL TERRAIN VEHICLE (MTV) 1/2 TON			

STUDY #S466736

MARINE CORPS WHEELED VEHICLE INVENTORY
(1975-1984)

STJCY #S467302

ORGANIZATION & EMPLOYMENT OF MPWS
STJCY #S737901

SURFACE MOBILITY VEHICLES TECHNOLOGY
MC TAP T2F43461210

SURFACE MOBILITY MATERIALS TECHNOLOGY
MC TAP T2F43461217

MISSION AREA - COMBAT SUPPORT VEHICLES
215.5

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
MOBILE PROTECTED WEAPONS SYSTEM (MPWS) WORK DIR C0016A LVTPT PRODUCT IMPROVEMENT. WORK DIR C0019X LANDING VEHICLE TRACKED (EXPERIMENTAL) LVT(X) WORK DIR C0020X LVT7A1 PROGRAM WORK DIR C0021X HIGH MOBILITY TACTICAL TRUCK LIGHT, SUBTASK OF CVM. WORK DIR C0075J HIGH MOBILITY TRUCK, HMY SUBTASK OF CVM WORK DIR C0075K	MOBILE PROTECTED WEAPONS SYSTEM (MPWS) MOB 2401 LVTPT PRODUCT IMPROVEMENT. MOB 2200 LVT7A1 PROGRAM MOB 2200 RECOVERY VEHICLE FULLY TRACKED MEDIUM MOB PRODUCT IMPROVMENT		

USA LGS 6923

AMPHIBIOUS WARFARE/CLOSE COMBAT DIRECT
FIRE SUPPORT SYSTEM

USMC MOB 2002-2

LANDING VEHICLE TRACKED (LVTX)

USMC MOB 2007

M198 HOWITZER AUXILIARY MOVER

USMC MOB 2318

MOBILE PROTECTED WEAPONS SYSTEM

USMC MOB 2401

SMALL TACTICAL AERIAL MOBILITY PLATFORM

USMC MOB 3401

MISSION 43-A - COMBAT SUPPORT VEHICLES
215.5

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TA2/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
		<p>FIRE RESISTANT FUEL & EQUIPMENT FOR COMBAT SYS. ACN 51140 US. LGS 6236</p> <p>INFANTRY FIGHTING VEHICLE / CALVARY FIGHTING VEHICLE USA MOB 2110</p> <p>FORWARD OBSERVER VEH? ACN 2130 USA MOB 2132</p> <p>M109 AMMUNITION DELIV. SYSTEM USA MOB 2317</p> <p>SMALL UNIT SUPPORT VEHICLE (SUSV) ACN 23305 USA MOB 6012</p> <p>105MM HOWITZER, TOWED USA SPA 2111</p> <p>IMPROVED TOW VEHICLE (ITV) ACN 23991 USA SPA 3354</p>

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<p>LOGISTICS SUPPORT ASHORE FOR SUSTAINED OPERATIONS (1980-1990) STJDY #5486902</p> <p>MARINE AIR/GROUND TASK FORCE LIFT REQ. & LOG PLANNING FACTORS MODEL (1975-1985) STJDY #5487131</p> <p>COMBAT SERVICE SUPPORT COMMAND & CONTROL SYS. (MILGSS) (19 - 85) STJDY #5487132</p> <p>AMPHIBIOUS/ADVANCED BASE MOBILITY MC TAP #VF63536091</p>		<p>PROGRAMMABLE HAND HELD CALCULATOR ACW 36000 USA SPA 2121</p>

MISSION AREA - INDIVIDUAL CLOTHING AND EQUIPMENT
216.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
<p>INDIVIDUAL COMBAT CLOTHING EQUIPMENT WORK DIR C0284X</p> <p>CAMOUFLAGE TECHNOLOGY WORK DIR C3869X</p> <p>I-48</p>	<p>ASSAULT LIFE PRESERVER USMC LGS 2340</p> <p>INDIVIDUAL SHELTER SYSTEM USMC LGS 6835</p> <p>INDIVIDUAL NIGHT VISION GOGGLES USMC MDB 5001</p> <p>PROTECTIVE MASK USA NBC 7010</p>	<p>CLOTHING AND EQUIP SYSTEM, COLD WEATHER, FOR THE GROUND SOLD</p>	

USA LGS 2050

GROUND COMBAT VEHICLE CREWMANS CLOTHING
SYSTEM ACN 33100

US: LGS 2201

BATTLE DRESS UNIFORM SYSTEM ACN 37065

US: LGS 2202

COMBAT FOOTWEAR

USA LGS 2213

BOOT, COMBAT MOUNTAIN AND SKI ACN 36610

USA LGS 2216

VEST, COLD WEATHER

USA LGS 2218

MISSION AREA = INDIVIDUAL CLOTHING AND EQUIPMENT
216.1

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
1-49		CRAMPON FOR ARMY USE IN MOUNTAIN OPS CARDS REF 1444 USA LGS 2219 SNOWSHOE BINDING FOR ARMY USE CARDS 1441 USA LGS 2220 SHIRT, UNDERWEAR, LADDER WEAVE US: LGS 2200 IMPROVED INSULATED CANTEEN FOR USE IN COLD REGIONS USA LGS 2314 LIGHTWEIGHT INCONSPICUOUS BODY ARMOR USA LGS 2320 ANTI-LASER GOGGLES USA LGS 2370 INSERT, 12.7MM AP SMALL ARMS PROTECTIVE TORSO ARMOR

USA LGS 9420

HANDWEAR, POL PROTECTIVE, COLD WEATHER

USA LGS 9440

CARRIER, RIFLE AMMUNITION ACH 22905

USA SPA 1016

MISSION AREA - SUPPLY & MAINTENANCE
215.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
DIETARY SUPPLEMENTS STJCY #5316602 CONTAINERIZATION REQ FOR THE FNF (1973-32) STJCY #5417201 LOGISTICS MATERIAL WEIGHT & CUBE CONTROL STJCY #5417501 APPLICATION OF U.S. ARMY RATES TO USMC AMMO (1978-1982) STJCY #5447701 FNF AMMUNITION MANAGEMENT SYSTEM			

05-1

(1975-1984)
STUDY #S487303

LOGISTICS SUPPORT REQUIREMENTS IN
EXTREME CLIMATES (1976-1985)
STUDY #S487402

MAINTENANCE ALLOCATION PLANNING
STUDY #S487503

1-50 05-1
FLEET MARINE FORCE MATERIAL THROUGHPUT
DISTRIBUTION SYSTEM (1977-1986)
STUDY #S487601

MISSION AREA - SUPPLY & MAINTENANCE
216.2

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<div>15-1</div> <div>F4F TEST EQUIP. REQ. STUDY (1973-1983) STUDY #S717301</div> <div>F4F PRESERVATION, PACKAGING, & PACKING REQ. STUDY #S717401</div> <div>ELECTRONIC CALIBRATION FACILITY (ECF) DEVELOPMENT WORK DIR C0050F</div> <div>ELECTRONICS MAINTENANCE COMPLEX (EMC) WORK DIR C0051X</div> <div>TRITAC JOINT TEST FACILITY WORK DIR C0056X</div> <div>MAINTENANCE CLEANING EQUIPMENT. WORK DIR C0075B</div>		

1-51

MATERIAL HANDLING EQUIPMENT
WORK DIR C0076A

BULK FUEL EQUIP
WORK DIR C0078F

EXPEDITIONARY BULK FUEL EQUIPMENT.
WORK DIR C0079C

EXPEDITIONARY BULK FUEL EQUIPMENT.
LGS 2150

EXPEDITIONARY BULK FUEL EQUIPMENT.
LGS 6233

NAVY CORPS CONTAINER SYSTEM.
WORK DIR C0939X

I-51 CONT

NEEDS AREA - SUPPLY MAINTENANCE
216.

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
	<p>PORTABLE TEST EQUIPMENT USMC CCC 3110.1</p> <p>FAM OF STANDARD TACTICAL ELECTRICAL EQUIPMENT RACKS USMC CCC 9020</p> <p>ELECTRONICS MAINTENANCE COMPLEX USMC CCC 9102</p> <p>MOBILE WELDING EQUIPMENT USMC LGS 5152.1</p> <p>FLOOD LIGHT SET USMC LGS 6201</p> <p>OFFSHORE MOORING FUEL TRANSFER AND STORAGE USN LGS 6234</p> <p>FAMILY OF CARGO CONTAINERS USMC LGS 5913</p>		

EXPEDITIONARY AIRCRAFT MAINTENANCE
HANGER
USMC SPA 6205

STANDARD M-60 WEAPONS RACK ACN 24259
USA LGS 2139

TOOL SET, ADVANCED ELECTRONIC REPAIR
USA LGS 3012

AN/USM-60 AUTOMATIC TEST EQUIP.
FACILITY
USA LGS 3110.1

FAMILY OF AUTOMATED TEST SUPPORT
SYSTEMS
USA LGS 3110.3

MISSION AREA - SUPPLY & MAINTENANCE
215.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
1-53		HYDRAULIC TEST AND REPAIR EQUIPMENT ACN 18419 USA LGS 3135	
		ELECTROKINETIC FUEL DECONTAMINATOR USA LGS 3150	
		FUEL CONTAMINATION TEST KIT ACN 22057/CARDS 1669 USA LGS 3151	
		SEMITRAILER, TANK, 5000 GALLON, BULK WATER TRANS. ACN 44056 US: LGS 6100.1	
		WELDING SHOP, TRAILER-MOUNTED (HACE) US. LGS 6106	
		FORWARD AREA WATER POINT SUPPLY SYSTEM USA LGS 6220	
		BULK FUEL TANK ASSEMBLY-SELF SUPPORTING US LGS 6232	

I-53 CONT

LIGHTWEIGHT CAMOUFLAGE SCREENING SYSTEM
USA LGS 7050

HIGH ALTITUDE AIRDROP RESUPPLY SYSTEM
ACN 24375
USA LGS 9126

ULTRA HIGH LEVEL CONTAINER AIRDROP
SYSTEM ACN 21532
USA LGS 9127

TRANSPORTABLE HELICOPTER ENCLOSURE ACN
21694
USA LGS 9315

SHOP SET, CF30R FIRE EXTINGUISHER
SERVICING ACN 46177
USA LGS 9947

MISSION AREA - SUPPLY & MAINTENANCE
215.2

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
1-14		SEMITRLR. TANK 5K GALLON, BULK HAUL, FUEL SERVICING ACN44056 USA MOB 2326
		PORTABLE EXTREME COLD TEMP VEH ENG/PERS HEATERS USA MOB 5002
		HARD OVERPACK FOR TECHNICAL ESCORT UNITS USA NBC 3030
		STANDARD WEAPONS CONTAINER ACN 24259 USA SPA 1017

MISSION AREA - SERVICES
215.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
FOOD SERVICE SYSTEM, MARINE CORPS STJDT #5487994 OFFICE MACHINE SUPPORT WORK DIR C0076E I-SS SITE SANITATION WORK DIR C0078D COMBINED LAUNDRY AND BATH UNIT (CLABU) WORK DIR C0078E WATER PURIFICATION SYSTEM WORK DIR C0079A MODERNIZATION OF FMF FOOD SERVICES WORK DIR C0079G	OFFICE MACHINE SUPPORT LGS 2001 SITE SANITATION LGS 7030		

EXPEDITIONARY FIELD LAUNDRY UNIT.
WORK DIR C0079J

EXPEDITIONARY FIELD BATH SHOWER UNIT.
WORK DIR C0079K

EXPEDITIONARY FIELD BATH SHOWER UNIT.
LGS 6229

OFFICE EQUIPMENT
USMC LGS 2001

DUPLICATING EQUIPMENT
USMC LGS 2002

GRAPHICS CONTAINER COMPONENT OF THE YAC
AV SYS
USMC LGS 2007

FIELD LAUNDRY UNIT
USMC LGS 2209

I-55 CONT

MISSION AREA - SERVICES
215.3

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
1-55	COMBINED FIELD LAUNDRY AND BATH UNIT (CLABU) USMC LGS 2209.1	
	FIELD REFRIGERATION SYSTEM USMC LGS 4202	
	AUTOMATED BAKERY SYSTEM USA LGS 4211	
	FAMILY OF WATER SUPPLY EQUIPMENT USA LGS 6221	
	EXPEDITIONARY FIELD BATH SHOWER UNIT USMC LGS 6229	
	SANITATION UNIT USMC LGS 7030	
		CAMERA SYS, STILL PICT., SM FORM., SGL LENS REFLEX ACN 20048

I-56 CONT

USA INT 2021

DECENTRALIZED AUTOMATED SERVICES
SUPPORT SYSTEM

USA LGS 2005

CHART/OVERLAY COPIER

USA LGS 2006

TACTICAL DOCUMENT COPIER

USA LGS 2007

QUICK RESPONSE MULTICOLOR PRINTER 33026

USA LGS 2008

FAMILY OF ELECTRIC COUNTERS (CARDS NOT
ASGN YET)

USA LGS 2100

MISSION AREA - SERVICES
216.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
I-57		ARMORED COMBAT LOGISTICS SUPPORT VEHICLE FAMILY ACN 35839 USA LGS 2301	
		DELOUSING OUTFIT POWER DRIVEN USA LGS 4119	
		INTEGRATED PEST MANAGEMENT PROGRAM AGAINST MOSQUITOES USA LGS 4122	
		INSECTICIDE DISPERSAL UNIT, ULV PORTABLE ACN 38141 USA LGS 4122.1	
		AEROSOL GENERATOR, ULV SKID MOUNTED USA LGS 4122.2	
		ULV DISPERSAL UNIT EVALUATION SET USA LGS 4122.4	
		HELICOPTER SLUNG PESTICIDE DISPERSAL UNIT ACN 38112	

I-57 CONT

USA LGS 4124

LIGHTY TRAP, PORTABLE AC/DC POWERED ACN
38002

USA LGS 4125

TRAP, MOSQUITO LIGHT , COLLAPSIBLE

USA LGS 4127

CLEANER STEAM AND HIGH PRES. HOT & COLD
WATER WHEEL MOUNTED

USA LGS 6153

TACTICAL WATER DISTRIBUTION SYSTEM
(TWDS)

USA LGS 6222

AVIATION FUEL CONTAMINATIN TEST KIT
22057

USA LGS 9720

MISSION AREA - SHELTERS
216.4

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
MARINE CORPS EXPEDITIONARY SHELTER SYSTEM (MCESS) WORK DIR 00081X I-58	ELECTRONICS MAINTENANCE COMPLEX USMC CCC 9102 INDIVIDUAL SHELTER SYSTEM USMC LGS 6835 MARINE CORPS EXPEDITIONARY SHELTER SYSTEM (MCESS) USMC LGS 6870.1 P-3/C4-46 A/C MAINT HANGAR & EXPED FUEL STORAGE TANK USN LGS 9704 EXPEDITIONARY AIRCRAFT MAINTENANCE HANGER USMC SPA 6205	TENT, EXTENDABLE, MODULAR, PERSONNEL (TEMPER)	

I-58 CONT

USA LGS 6802

ARMY HARDENED SHELTER PROGRAM

USA LGS 6869

FAM OF STANDARD RIGID WALL SHELTER
SYSTEMS ACN 20499

USA LGS 6870

TRANSPORTABLE HELICOPTER ENCLOSURE ACN
21694

USA LGS 9315

MISSION AREA - COMBAT SERVICE SUPPORT VEH
216.5

A	B		C
	SPECIFIC MATERIAL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
TACT MCB FOR THE AMPHIB ASSAULT AND SUBSEQ OPS ASHORE IN LONGRANGE PERIOD (1993-2003) STUDY #1307703 TACT MCB FOR THE AMPHIB ASSAULT & SUBSEQUENT OPS ASHORE IN THE MIDRANGE (1983-90) STUDY #5307802 MARINE CORPS WHEELED VEHICLE INVENTORY (1975-1984) STUDY #5487302 MOTOR TRANSPORT SUPPORT EQUIPMENT AND COMPONENTRY WORK DIR C0975A PRIME MOVER FOR TRAILER, TAC/LOG TRANSPORTER 12.5 TON WORK DIR C0975D	PRIME MOVER FOR TRAILER, TAC/LOG TRANSPORTER 12.5 TON LCS 2313		

I-59

TRAILER, TACTICAL/LOGISTICAL
TRANSPORTER 12.5 TON.
WORK DIR C0375E

PRIME MOVER FOR TRAILER TAC/LDG
TRANSPORT 22.5 TON
WORK DIR C0375F

TRAILER TACTICAL/CONTAINER LOGISTICAL
TRANSPORTER 22.5 TON
WORK DIR C0375G

TRUCK TRACTOR FOR TANK/HEAVY EQUIP
TRANSPORTER (MET)
WORK DIR C0375H

TRAILER LOW-BED 65 TON CAP FOR TANK &
HVV EQUIP, SUBTASK CVM
WORK DIR C0375I

TRAILER, TACTICAL/LOGISTICAL
TRANSPORTER 12.5 TON.
LGS 2313

PRIME MOVER FOR TRAILER TAC/LDG
TRANSPORT 22.5 TON
LGS 2313

COLD WEATHER GROUND SUPPORT
REQUIREMENTS
USN LGS 1021

MISSION AREA - COMBAT SERVICE SUPPORT VEH
216.5

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
	<p>TACTICAL VEHICLE FLEET USMC LGS 2313</p> <p>30 TON RUBBER TIRED ROUGH TERRAIN HYDRLC CRANE W/TELE BOOM USMC LGS 6102</p> <p>ROUGH TERRAIN 1000 LBS CAPACITY FORK LIFT TRUCK USMC LGS 6106</p> <p>LIGHTWT AMPHIB CONTAINER HANDLER (LACH) USMC LGS 6911</p> <p>ROLL OVER PROTECTION FOR GROUND VEHICLES USMC MOB 2022</p> <p>MILITARY MOTORCYCLE USA MOB 2025</p> <p>MHU-151 SMALL MUNITIONS TRAILER ADAPTER USMC MOB 2041</p>		

CONTAINER REFRIGERATED 20 FT ACN
21075/CARDS 1652
USA LGS 2120

HIGH MOBILITY MULTIPURPOSE WHEELED
VEHICLE
USMC LGS 2313.1

TRUCK, TRACTOR, YARD TYPE ACN 21084
CARDS 1662
USA LGS 6000

MEDIUM MOBILE CONTAINER CRANE ACN
21086 CARDS 1667
USA LGS 6102

CHANGES FOR HVY MOBILE CONTAINER CRANE
ACN 22041 CARDS 1668
USA LGS 6102.1

MISSION AREA - COMBAT SERVICE SUPPORT VEH
215.5

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
I-61		19 TON EXPANDED MOBILITY TACTICAL TRUCK USA MOB 2041	
		HEAVY EXPANDED MOBILITY TACTICAL TRUCK USA MOB 2042	
		COMMERCIAL UTILITY VEHICLE ACN 29950 USA MOB 2000.1	
		SEMITRAILER, DUAL PURPOSE BB/CONTAINER TRANSPORT USA MOB 2316	
		HEAVY EXPANDED MOBILITY AMMUNITION TRAILER (HEMAT) USA MOB 2319	
		SEMITRER, TANK 5K GALLON, BULK HAUL, FUEL SERVICING ACN44056 USA MOB 2326	
		TRUCK TRACTOR LIME HAUL/EQUIP TRANSPONDER COMM SUBS ACN20525	

USA MOB 6010

1-9-1

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
DIETARY SUPPLEMENTS STJDY #5316682		
MEDICAL & DENTAL SUPPORT SYSTEM (1986-1998)		
STJDY #5417731		
MEDICAL & DENTAL SUPPORT CONCEPT FOR FLEET MARINE FORCES		
STUDY #5906903		
MARINE CORPS ENVIRONMENTALLY CONTROLLED MEDICAL SYSTEM		
WORK DIR 00093X	PORTABLE INFLATABLE RECOMPRESSION CHAMBER USMC INT 2330	

MARCOR ENVIRON CONTROLLED MEDICAL
SYSTEM
USMC LGS 4111

ADENOVIRUS 21 VACCINE
USA LGS 4110

ENVIRONMENTAL PROTECTION CONTAINER FOR
MEDICAL SUP ACN 27104
USA LGS 4113

DELOUSING OUTFIT POWER DRIVEN
USP LGS 4119

ANTIMALARIAL DRUGS
USA LGS 4120

FAMILY OF MEDICAL EQUIPMENT PROTECTIVE
CONTAINERS
USA LGS 4121

MISSION AREA - MEDICAL AND DENTAL
215.5

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
1-63		CASE, SURGICAL INSTRUMENT AND SUPPLY SET, INDIVIDUAL USA LGS 4121.1	
		INTEGRATED PEST MANAGEMENT PROGRAM AGAINST MOSQUITOES USA LGS 4122	
		INSECTICIDE DISPERSAL UNIT, ULV PORTABLE ACN 38141 USA LGS 4122.1	
		AEROSOL GENERATOR, ULV SKID MOUNTED USA LGS 4122.2	
		ULV DISPERSAL UNIT EVALUATION SET USA LGS 4122.4	
		PESTICIDE DISPERSAL UNIT, BACK PACK, PORTABLE USA LGS 4122.5	
		LOW CAPACITY RADIOGRAPHIC SYSTEM FOR FIELD USE	

USA LGS 4123

FIELD CLINICAL ANALYSIS SYSTEM

USA LGS 4123.1

FIELD DENTAL X-RAY APPARATUS

US. LGS 4123.2

HELICOPTER SLUNG PESTICIDE DISPERSAL

UNIT ACN 39112

US. LGS 4124

LIGHT TRAP, PORTABLE AC/DC POWERED ACN
38002

USA LGS 4125

HIGH CAPACITY RADIOGRAPHIC SYSTEM FOR
FIELD USE

US. LGS 4126

MISSION AREA - MEDICAL AND DENTAL
215.5

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
I-64		TRAP, MOSQUITO LIGHT , COLLAPSIBLE USA LGS 4127
		CHAIR AND STOOL UNIT, DENTAL OPERATING FIELD ACN 38066 USA LGS 4153.1
		EMERGENCY STERILIZER ACN 23343 USA LGS 4155
		ETHYLENE OXIDE STERILIZATION SYSTEM ACN 38066 USA LGS 4155.1
		STEAM VACUUM PULSE STERILIZER SYSTEM ACN 38069 USA LGS 4155.2
		EXTRACTOR, MEDICAL OXYGEN SYSTEM, INDIVIDUAL PATIENT USA LGS 4165
		SPINEBOARDS (LONG & SHORT) USA LGS 4170

COLD INJURY RAPID REWARM SYSTEM ACH
12354

USA LGS 4171

HEATED PATIENT HOLDING AND EVACUATION
SYSTEM

USA LGS 4181

CHEMICAL WARFARE AGENT PROTECTIVE
PATIENT WRAP

USA NBC 7003

MISSION AREA - MOBILE ELECTRIC POWER
216.7

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
1-65 GROUNDING WORK DIR 00248F POWER SOURCE SYSTEMS WORK DIR 00263X EXPEDITIONARY ELECTRICAL POWER DISTRIBUTION SYSTEM WORK DIR 00279B	POWER SOURCE SYSTEMS CCC 9563 POWER SOURCE SYSTEMS CCC 9663 EXPEDITIONARY ELECTRICAL POWER DISTRIBUTION SYSTEM LGS 6242 FAM OF STANDARD TACTICAL ELECTRICAL EQUIPMENT RACKS USMC CCC 9020 IMPROVED BATTERIES USMC CCC 9563 SOLAR POWER UNIT USMC CCC 96631	

EXPEDITIONARY ELECTRICAL POWER
DISTRIBUTION SYSTEM
USMC LGS 6242

WIRE HARNESS FOR USE IN BILLITING AND
OPS TENTS
USMC LGS 6841

SATELITE/AIRBORNE COMMUNICATIONS RELAY
USAF CCC 9591

FAMILY OF MILITARY DESIGN ELECTRIC
PLANTS ACN 11592 CARD 636
USA LGS 6240

FAMILY OF MILITARY ELECTRIC POWER
CONDITIONERS ACN 21275
USA LGS 6240.3

MISSION AREA - MOBILE ELECTRIC POWER
216.7

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
99-1		FAMILY OF LIGHTWEIGHT ELECTRIC ENERGY PLANTS ACN 13215 USA LGS 6243	

MISSION AREA - COUNTER AIR
221.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
MARINE AVIATION REQUIREMENTS (1975-1984) STUDY -S517301 CONCEPT FORMULATION FOR FUTURE MARINE TACTICAL AIR SYSTEMS STUDY -S546907 MARINE CORPS OFFENSIVE AIR SUPPORT REQ. (1983-1992) STUDY -S547203 TACTICAL AIRCRAFT & MISSILE THREAT FORECAST, (1975-1985) STUDY -S547204 COMPOSITE REQ. TO PROVIDE EFFECTIVE			

I-67

ANTI-AIR DEFENSE FOR THE MAF.
STUDY #5547801

DETECTION OF LOW FLYING AIRCRAFT
USMC CCC 9925

AIR TO AIR ANTI RADIATION HOMING WEAPON
USAF SPA 3251

MISSION AREA - OFFENSIVE AIR SUPPORT/CAS/INTERDICTION
222.3

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<p>TOTAL FIRE SUPPORT REQUIREMENTS FOR AMPHIB OPERATIONS STUDY #S336902</p> <p>MARINE AVIATION REQUIREMENTS (1975-1984) STUDY #S517301</p> <p>CONCEPT FORMULATION FOR FUTURE MARINE TACTICAL AIR SYSTEMS STUDY #S546907</p> <p>MARINE CORPS OFFENSIVE AIR SUPPORT REQ. (1983-1992) STUDY #S547203</p>		<p>FORWARD OBSERVER VEHICLE KIT ACN 23400</p>

USA MOB 2132

1-68 CONT

MISSION AREA - WEAPON SYSTEMS
222.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
<p>MARINE ADVANCED TGT ATTACK SYS (MATAS) STUDY #5326908</p> <p>DJAL B'ND RADAR BEACON (SEEKSET). WORK DIR C02820</p>	<p>DUAL BAND RADAR BEACON (SEEKSET). SPA 2414</p> <p>INFRARED AIMING LIGHT USA INS 1212</p> <p>SOLID STATE TRACK LINK FOR TOW/TOW CCBRA WEAPON SYSTEM USA INS 5831</p> <p>AIRBORNE EQUIPMENT FOR GROUND CONTROLLED BOMBING USMC INT 3214</p> <p>LONG RANGE AIR TO SURFACE MISSILE USN SPA 3241</p>		

69-1

7-69 CONT

IMPROVED HELO FIRE CONTROL SYSTEM
USMC SPA 3325

STAND OFF LASER OPTICAL WEAPONS SYSTEM
USMC SPA 3327

ANGLE RATE BOMBING SYSTEM
USN SPA 3492

THE HARM SYSTEM
USN SPA 3555

NON-COOPERATIVE TARGET RECOGNITION IN
TACTICAL FLEET A/C
USN INT 6200

IMPROVED FIRE CONTROL SUBSYSTEM FOR THE
AH-1 ACN 18214
USA SPA 2030

MISSION AREA - WEAPON SYSTEMS
222.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
I-70		FIRE AND FORGET ANTITANK MISSILE SYSTEM USA SPA 2795	
		EXT AMMO STORES MANAG & AMT CONT FUZING SUBSYS FOR ATK WELOS USA SPA 3324.1	
		ATTACK HELICOPTER TARGET WEAPONS SYSTEM USA SPA 3325	
		TOW THERMAL NIGHT SIGHTS (TTNS) USA SPA 3352	
		ADV. ANTITANK MISSILE AIR TO GND HELLFIRE ACM 18994 USA SPA 3371	
		FIRE & FORGET SEEKER FOR THE HELLFIRE USA SPA 3371.1	
		HOMING BOMBING SYSTEM FOR THE B52D USAF SPA 3400	

MISSION AREA = AIRCRAFT
222.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
MARINE CORPS ATTACK & FIGHTER AIRCRAFT (MAFA2) STJBY =S526801 LIGHT ARMORED RECON. AIRCRAFT (LARA) COST ANALYSIS STUDIES (OV10A-HELO) STJBY =S546602 MARINE UTILITY HELD/OVX REQ (1990-2000) STJBY =S547901	MARINE LIGHT OBSERVATION/SURVEILLANCE A/C OVX USMC INT 2109 ADVANCED VECTORED THRUST V/STOL A/C SYS (AVX) USMC M08 3200.1		

MARINE MEDIUM ASSAULT V/TOL A/C (V/HMM)
USMC SPA 3142.1

IMPROVED FAC AIRCRAFT
USAF SPA 3100

ENHANCED TACTICAL FIGHTER
USAF SPA 3155

INTERIM SCOUT HELICOPTER ACN 24254
USA SPA 3323

MISSION AREA = DEFENSE SUPPRESSION
226.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
MARINE AVIATION REQUIREMENTS (1975-1984) STUDY #5517301 MARINE CORPS OFFENSIVE AIR SUPPORT REQ. (1993-1992) STUDY #5547203 TACTICAL AIRCRAFT & MISSILE THREAT FORECAST, (1975-1995) STUDY #5547204 MAF REQ. FOR ENEMY AIR DEF. SUPPRESSION STUDY #5567701 ENEMY AIR DEF. SUPPRESSION			

STUDY -5737902

LOCATION STRIKE SYSTEM (LSS)
USAF SPA 2423

AIR DEF SUPRSN SYS & FIKE AND FORGET
MISSILE CARDS 0502A
USA SPA 3491

I-72 CONT

MISSION AREA - AIR WARFARE SUPPORT
225.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
MARINE AVIATION REQUIREMENTS (1975-1984) STJCY #5517331 MARINE CORPS OFFENSIVE AIR SUPPORT REQ. (1983-1992) STUDY #5547203			

MISSION AREA - CLOTHING AND EQUIPMENT
225.1

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
	<p>AIRCREW CHEMICAL AND BIOLOGICAL DEFENSE USMC NBC 6028</p> <p>LASER EYE PROTECTION USMC SPA 2411</p>	<p>GLOVE, FLYING EXTREME COLD WEATHER USA LGS 2255</p> <p>ARTIC EXTREME COLD WEATHER FLYING COVERALL USAF LGS 9400</p> <p>COLD WEATHER AIRCRAFT SURVIVAL KIT SLEEPING BAG ACN 36572 USA LGS 9400.1</p> <p>AIRCREW CLOTHING SYS. INT. COLD, COLD, AND EXTREME COLD WEA. USA LGS 9430</p> <p>HANDWEAR, POL PROTECTIVE, COLD WEATHER USA LGS 9440</p>

CW MASK FOR TACTICAL FIGHTER AIRCREWS
USAF NBC 7011

AIRCREW SURVIVAL/ARMOR/RECOVERY VEST,
SURVIVAL ENVIRONMENT
USA SPA 3000

MISSION AREA - SUPPLY AND MAINTENANCE
225.2

A	B		C
	SPECIFIC MI		IENTS
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY		OTHER SERVICE
AVIATION SUPPORT MATERIAL AND EQUIPMENT. WORK DIR C0382A KCX WEAPONS SYSTEM CONCEPT FORMULATION WORK DIR C0392F	P-3/CH-46 A/C MAINT HANGAR & EXPED FUEL STORAGE TANK USN LGS 9708		LOW ALTITUDE WIND WARNING SYSTEM USAF LGS 9640 AVIATION FUEL CONTAMINATION TEST KIT 22097 USA LGS 9720

MISSION AREA - AIRCRAFT NON WEAPON SYSTEMS
225.3

A	B		C
	SP.	SPECIAL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/ - VY		OTHER SERVICE
MARINE CORPS TACTICAL HELISORVE EW REQ. STJBY -5557734 NAVY COUNTERMEASURES TECHNOLOGY NC TAP TWF34372391 HELICOPTER EXTERNAL CARGO HANDLING W37X DIR C0379E	HELICOPTER EXTERNAL CARGO HANDLING LGS 9100 AIR TO GROUND DATA LINK FOR SLAR & IR RECON SYSTEM USMC INT 5250 DIGITAL DATA BETWEEN MC ESM/ESM A/C & TERPES USMC INT 5251 HELICOPTER SKIS/LANDING PADS USMC MOB 3101		

AIRCREW CHEMICAL AND BIOLOGICAL DEFENSE
USMC NBC 6028

HELD .50 CAL MACHINE GUN MOUNTING
ADAPTER
USMC SPA 2196

HELICOPTER AIRCREW SURVIVABILITY
ENHANCEMENT PROGRAM
USMC SPA 3000

OMNIDIRECTIONAL LOW RANGE AIRSPEED
SYSTEM
USMC SPA 3000.1

PORTABLE FLIR BEACON FOR IFF
USMC SPA 3002.2

IMPROVED LIGHTING SYSTEM FOR ARMY
AIRCRAFT ACN 32848
USA INS 2267

MISSION AREA - AIRCRAFT NON WEAPON SYSTEMS
225.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
I-77		TACTICAL AIRCRAFT INFRARED COUNTERMEASURES USAF INT 4210.1 SLEWABLE ELECTRO-OPTICAL RECONNAISSANCE SENSOR USAF INT 4215 HELICOPTER SLUNG PESTICIDE DISPERSAL UNIT ACN 30112 USA LGS 4124 EMERGENCY LOCATOR TRANSMITTER USAF LGS 9512 COMBAT RESCUE REPLACEMENT VEHICLE USAF K-2331.1	

MISSION AREA = ASSAULT AMPHIBIOUS
235.1

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<div>1-78</div> <div>SURFACE SHIP-TO-SHORE MOVEMENT STUDY #S336605</div> <div>TACTICAL MOBILITY FOR AMPHIBIOUS ASSAULT AND POST ASSAULT OPERATIONS STUDY #S336808</div> <div>TACT MOB FOR THE AMPHIB ASSAULT AND SUBSEQ OPS ASHORE IN LONGRANGE PERIOD (1993-2001) STUDY #S337703</div> <div>FIRE SUPPORT REQ FOR AMPHIB OPS & EXTENDED OPS ASHORE DURING THE MIDRANGE (1982-90) STUDY #S337801</div> <div>TACT MOB FOR THE AMPHIB ASSAULT &</div>		

SUBSEQUENT OPS ASHORE IN THE MIDRANGE
(1980-82)
STUDY #5327802

MARINE AIR/GROUND TASK FORCE LIFT REQ.
& LOG PLANNING FACTORS MODEL
(1975-1985)
STUDY #5497101

HELDS IN VARIOUS HELD MIXES IN AMPHIB.
OPS DETERMINATION OF OP.EFF &
COMBATIBILITY
STUDY #5547202

ADVANCED CONCEPT OF V/STOL ASSAULT OPS.
(1979-1986)
STUDY #5567703

I-78 CONT

MISSION AREA - ASSAULT AMPHIBIOUS
235.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
<p>LVT77 PRODUCT IMPROVEMENT. WORK DIR C0319X</p> <p>1-79 LANDING VEHICLE TRACKED (EXPERIMENTAL) LVT(X) WORK DIR C0323X</p> <p>LVT7A1 PROGRAM WORK DIR C0321X</p>	<p>LVT77 PRODUCT IMPROVEMENT. MOB 2200</p> <p>LVT7A1 PROGRAM MOB 2200</p> <p>AMPHIBIOUS WARFARE/CLOSE COMBAT DIRECT FIRE SUPPORT SYSTEM USMC MOB 2002.2</p> <p>LANDING VEHICLE TRACKED (LVTX) USMC MOB 2007</p> <p>LANDING FORCE ASSAULT AMPHIBIOUS PERSONNEL CARRIER</p>		

USMC MOB 2200

AMPHIBIOUS WARFARE SURFACE ASSAULT
USC MOB 2410

LANDING CRAFT AIR CUSHION (LCAC)
USN MOB 2410.1

AIR CUSHION VEHICLE, 25-30 TON CAPACITY
USC MOB 2405

AMPHIB VEHICLE COMPONENT TEST RIG
MC PEDE P1-01-MEL

DETERM FEASIBILITY OF WHEELED AMPHIB
VEHICLES
MC PEDE P2-01-MEL

I-7c CONT

MISSION AREA - ASSAULT AMPHIBIOUS
235.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
LIGHTWEIGHT MATERIAL TECH FOR FUTURE MC VEHICLES MC PEDE P3-B1-MEL LIGHTWEIGHT ARMOR FOR AMPHIB VEHICLES MC PEDE P4-B1-MEL			

08-1

MISSION AREA - NAVAL GUNFIRE
235.2

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
TOTAL FIRE SUPPORT REQUIREMENTS FOR AMPHIB OPERATIONS STUDY -S326902		

MISSION AREA - AMPHIBIOUS RECONNAISSANCE
239.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
INFLATABLE BOAT SMALL (IBS) AND SILENCED PROPULSION SYSTEM WORK DIR C00850 WATERPROOF BAGS WORK DIR C00856	INFLATABLE BOAT SMALL (IBS) AND SILENCED PROPULSION SYSTEM INT 2022 WATERPROOF BAGS INT 2310 INFLATABLE BOAT SMALL (IBS) AND SILENCED PROPULSION SYSTEM USMC INT 2022 WATERPROOF EQUIPMENT BAG USMC INT 2310 REMOTE SENSING OF AMPHIBIOUS OBJECTIVE AREA USN INT 3160	SELF CONTAINED UNDERWATER BREATHING APPARATUS ACH 21610 USA LCS 2342	

MISSION AREA - NAVAL WARFARE SUPPORT
237.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
SEABORNE MOBILE LOGISTICS SYSTEM (SMLS) STUDY STUDY -5417001	PRESSURE ACOUSTIC MAGNETIC MINESWEEPING SYSTEM USN LGS 6600.1	NON-COOPERATIVE TARGET RECOGNITION IN TACTICAL FLEET A/C USN INT 6200	

I-83

MISSION AREA - DEFENSIVE TACTICAL NUCLEAR WARFARE
243.2

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<p>NUCLEAR MUNITIONS REQUIREMENTS STJJDY #5336604</p> <p>P8-1 ANALYSIS OF NC NUCLEAR, CHEM WARFARE, & BIOLOGICAL DEF REQ. STJJDY #5337135</p> <p>NBC DEFENSE READINESS STJJDY #5337803</p>	<p>IMPROVED 155MM HOWITZER NUCLEAR PROJECTILE USMC NBC 2013</p> <p>NUCLEAR PROJECTILE FOR AN 8 INCH HOWITZER USA NBC 2015</p>	

NUCLEAR BURST DETECTION SYSTEM ACN
14311

USA NBC 1010

IMPROVED M422 NUCLEAR PROJECTILE
USA NBC 2017

INTEG OF TECH FEASIBILITY & OPER DESIG
OF AN 8 IN HE PROJ
USA EPA 2115

MISSION AREA - TACTICAL COMMAND, CTL & INTEL
254.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY		OTHER SERVICE
INTELLIGENCE REQUIREMENTS (1984) STUDY #S297691 TACTICAL COMBAT OPERATIONS (TCO) STUDY STUDY #S307294 USMC COMMAND & CONTROL TECHNOLOGY MC TAP T2F21203001			

58-1

MISSION AREA - GROUND TAC COMMAND & CTL SYS
254.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
ARTILLERY COMPUTER SYSTEM (ACS) WORK DIR C0318X	ARTILLERY COMPUTER SYSTEM (ACS) SPA 2121		
MARINE INTEGRATED FIRE AND AIR SUPPORT SYSTEM (MIFASS) WORK DIR C0336X	MARINE INTEGRATED FIRE AND AIR SUPPORT SYSTEM (MIFASS) CCC 5003		
98-1 TACTICAL COMBAT OPERATIONS (TCO) SYSTEM WORK DIR C0337X	TACTICAL COMBAT OPERATIONS (TCO) SYSTEM CCC 3001		
POSITION LOCATION REPORTING SYSTEM (PLRS) WORK DIR C0042X			
TACTICAL SYSTEMS INTER/INTRAOPERABILITY PROGRAM WORK DIR C0345X			
JOINT INTER OPERABILITY OF TAC COMMAND & CONTROL SYSTEMS WORK DIR C1079X			
	TACTICAL COMBAT OPERATIONS (TCO) USMC CCC 3000		

TACTICAL COMBAT OPERATIONS (TCO)
USMC CCC 3001

MARINE INTEGRATED FIRE AND AIR SUPPORT
SYSTEM (MIFASS)
USMC CCC 5000

POSITION LOCATION REPORTING SYSTEM
J-TIDS HYBRID
USA CCC 3020

TACTICAL COMPUTER SYSTEM ACN 23842
USA CCC 4030

INTERACTIVE COMPUTER PRESENTATION PANEL
ACN 23842 CARDS 0806
USA CCC 5021

I-86 CONT

MISSION AREA - GROUND TAC COMMAND & CTL SYS
254.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
I-87		ADVANCED ARTILLERY TACTICAL SYSTEM (HENS) USA CCC 5031 ARMY TERRAIN INFORMATION SYSTEM ACN 21647 USA CCC 6913 NET RADIO INTERFACE ACN 24293 USA CCC 9300 BATTLEFIELD IFF FORWARD COMBAT LINES (GRND-GRND AND AIR-GRND) USA INT 7000.1	

MISSION AREA - AVIATION TAC COMMAND & CTL SYS
254.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/AVY	OTHER SERVICE	
MARINE CORPS VZ/TOL TERMINAL AIR TRAFFIC CONTROL REQUIREMENTS STJCY #55568), MARINE AIR COMMAND & CONTROL SYSTEM 1-18 (MACCS 95) STUDY #5557202 MARINE INTEGRATED FIRE AND AIR SUPPORT SYSTEM (MIFASS) WORK DIR 0036X TACTICAL AIR OPERATIONS CENTRAL 1985 (TACC) 2 DIR 0038X POSITION LOCATION REPORTING SYSTEM (PLRS) WORK DIR 0042X MARINE REMOTE AREA APPROACH AND LANDING SYSTEMS (MRALS)	MARINE INTEGRATED FIRE AND AIR SUPPORT SYSTEM (MIFASS) CCC 5006 TACTICAL AIR OPERATIONS CENTRA. 1985 (TACC) CCC 2001		

WORK DIR CD3828

MAR AIR TRFICENTRL SQDN (MATCS)EOPMT
INITL DP 75TAEVLN IOTE
WORK DIR CD382C

MARINE AIR TRAFFIC CONTROL AND LANDING
SYSTEM (MATCAL5)
WORK DIR CD387E

IMPROVED TACTICAL AIR OPERATIONS
CENTRAL TACC (I7405)
WORK DIR CD3838

AUTOMATED DIRECT AIR SUPPORT CENTRAL
(DASC)AN/UYQ-4
WORK DIR CD383D

MAGCS SUPPORT
WORK DIR CD383F

AUTOMATED DIRECT AIR SUPPORT CENTRAL
(DASC)AN/UYQ-4
CCC 4015

I-88 CONT

MISSION AREA - AVIATION TAC COMMAND & CTL SYS
254.2

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
AN/TYQ-1 TAC AIR CMD CENTRAL (TACC) IMPROVEMENT PROGRAM WORK DIR C0103H IFF IMPROVEMENT PROGRAM WORK DIR C1067A 68-1 JOINT INTER OPERABILITY OF TAC COMMAND & CONTROL SYSTEMS WORK DIR C1379X	MARINE AIR COMMAND AND CONTROL SYSTEM 1985 (MACS-85) USMC CCC 2001 RADAR SYSTEM REMOTING DEVICE USMC CCC 3100 DIRECT AIR SUPPORT CENTER USMC CCC 4015 MARINE AIR TRAFFIC CONTROL & LANDING SYSTEM (MATCAL)	

USN CCC 4035.1

MC REMOTE AREA APPROACH AND LANDING
SYSTEM

USMC CCC 4036

GRND CONT PREC. FLT PATH GUIDANCE AND
WEAPON RELEASE SYSTEM

USMC CCC 4040

MARINE INTEGRATED FIRE AND AIR SUPPORT
SYSTEM (MIFASS)

USMC CCC 5000

HELICOPTER COMMAND CONTROL
COMMUNICATIONS CENTER

USMC CCC 9130

FAMILY OF GROUND TO AIR UHF RADIOS

USMC CCC 9526

MISSION AREA - AVIATION TAC COMMAND & CTL SYS
254.2

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
06-1	<p>LIGHTWEIGHT AIR TRAFFIC CONTROL RADAR USMC CCC 9915</p> <p>AIRBORNE EQUIPMENT FOR GROUND CONTROLLED BOMBING USMC INT 3214</p> <p>RADAR BEACON DATA LINK USMC SPA 2414.1</p> <p>PORTABLE FLIR BEACON FOR IFF USMC SPA 3002.2</p>	<p>POSITION LOCATION REPORTING SYSTEM J-TIDS HYBRID USA CCC 3020</p> <p>AIRBORN TARGET HANDOFF SYSTEM ACN 41682 USA CCC 3022</p> <p>MULTIFUNCTION RADAR TRANSPONDER BEACON ACN 45305</p>

USA CCC 9917

BATTLEFIELD IFF FORWARD COMBAT ZONES
(GRND-GRND AND ATR-GRND

USA INT 7000.1

I-90 CONT

MISSION AREA - TACTICAL INTEL SYSTEMS
254.3

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
INTELLIGENCE DATA HANDLING STJDY #5216525		
1-1 INTELLIGENCE DATA HANDLING (IDH) DATA BASE DEFINITION STJDY #5216735		
ALTERNATIVE MEANS OF INTELLIGENCE COLLECTION/PRODUCTION STUDY #5217801		
SIGNAL INTELLIGENCE ANALYSIS SYSTEMS (SIAS) STJDY #5217103		
SIGNALS INTELLIGENCE ANALYSIS SYSTEM	SIGNALS INTELLIGENCE ANALYSIS SYSTEM	

(SIAS)

WORK DIR C0027A

AIRBORNE RADIO DIRECTION FINDING (ARDF)
WORK DIR C0027B

INTELLIGENCE ANALYSIS CENTER (IAC) OF
THE MAGIS

WORK DIR C0062A

IMAGERY INTERPRETATION (II) SEGMENT OF
THE MAGIS

WORK DIR C0062B

IMAGERY PROCESSING (IP) SEGMENT OF THE
(MAGIS)

WORK DIR C0062C

TAC ELECTRONIC RECON PROCESSING & EVAL
SYSTEM

WORK DIR C0062D

(SIAS)

INT 3001

INTELLIGENCE ANALYSIS CENTER (IAC) OF
THE MAGIS

CCC 6011

IMAGERY INTERPRETATION (II) SEGMENT OF
THE MAGIS

CCC 6012

IMAGERY PROCESSING (IP) SEGMENT OF THE
(MAGIS)

INT 2021

MISSION AREA - TACTICAL INTEL SYSTEMS
254.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
I-92	INTELLIGENCE ANALYSIS CENTER OF THE MAGIS USMC CCC 6021 COUNTER INTEL, TECHNICAL SURVEIL. COUNTERMEASURES EQUIP SUITE USMC INT 1002 ALL SOURCE IMAGERY PROCESSOR USMC INT 2020.2 SIGNAL INTELLIGENCE ANALYSIS SYSTEM (SIAS) USMC INT 3001 AIR TO GROUND DATA LINK FOR SLAR & IR RECON SYSTEM USMC INT 5250 ANTI COMPROMISE EMERGENCY DESTRUCT SYSTEM USN TRG 5004		
		COLOR FILM PROCESSING IN SHIPBOARD INTEL CENTERS	

USN LGS 2008

1-92 CONF

MISSION AREA - TAC SURV, RECON & TARGET ACQ
255.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
SEISMIC SYS TO LOCATE ARTY & MORTAR FIRING POSITIONS STUDY -S236601			
SURVE./TGT ACQ SYS FOR F4F (MIDRANGE) 1-93 BASELINE 1977) STUDY -S237033			
INTELLIGENCE REQUIREMENTS (1984) STUDY -S237631			
SYSTEM: ANALYSIS OF ADVANCED TGT ACQUISITION SYS (1975-85) STUDY -S336601			
MARINE ADVANCED TGT ATTACK SYS (MATAS)			

STUDY #S336908

USMC FAC AIR RECON REQ & EMPLOYMENT
CONCEPT
STUDY #S537401

CONCEPT FORMULATION FOR FUTURE MARINE
TACTICAL AIR SYSTEMS
STUDY #S546907

I-93 CONT

SILENCED SMALL ARMS WEAPONS
STUDY #S936601

MISSION AREA - TAC SURV, RECON & TARGET ACQ
255.1

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
AIRBORNE RADIO DIRECTION FINDING (ARDF) WORK DIR C00270		
ARTILLERY COMPUTER SYSTEM (ACS) WORK DIR C0019X	ARTILLERY COMPUTER SYSTEM (ACS) SPA 2121	
AN/TPO 36 FIREFINDER WORK DIR C0026X		
MODULAR UNIVERSAL LASER EQUIPMENT (MULE) WORK DIR C0027X	MODULAR UNIVERSAL LASER EQUIPMENT (MULE) CCC 3000 MODULAR UNIVERSAL LASER EQUIPMENT (MULE) SPA 1013	
RAJAR SET AN/TPS-59 WORK DIR C0041X	RAJAR SET AN/TPS-59 CCC 9910	
TACTICAL INTRUSION DETECTOR (TID) WORK DIR C0060A	TACTICAL INTRUSION DETECTOR (TID) INT 5121	

FORWARD PASS/REMOTE SENSOR DEVELOPMENT
WORK DIR C00608

BATTLEFIELD SURVEILLANCE DEVICES (BSD)
WORK DIR C0061X

INFLATABLE BOAT SMALL (IBS) AND SILENCED
PROPULSION SYSTEM
WORK DIR C00850

WATERPROOF BAGS
WORK DIR C0085G

AN/TPS 32 PRODUCT IMPROVEMENT.
WORK DIR C1067B

FORWARD PASS/REMOTE SENSOR DEVELOPMENT
INT 5101

INFLATABLE BOAT SMALL (IBS) AND SILENCED
PROPULSION SYSTEM
INT 2022

WATERPROOF BAGS
INT 2310

AN/TPS-32 PRODUCT IMPROVEMENT.
CCC 9915

1-94 CONT

MISSION AREA = TAC SURV, RECON & TARGET ACQ
255.

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
AN/TPS 63 PRODUCT IMPROVEMENT WORK DIR C1367D	AN/TPS-63 PRODUCT IMPROVEMENT CCC 9915	
MARINE AVIATION RADAR REMOTING WORK DIR C1367E		
56-1 AN/TPS-59 PRODUCT IMPROVEMENT WORK DIR C1367F	AN/TPS-59 PRODUCT IMPROVEMENT CCC 9910	
	HOSTILE WEAPONS LOCATION SYSTEM USMC CCC 3050	
	RADAR SYSTEM REMOTING DEVICE USMC CCC 3180	
	INTELLIGENCE ANALYSIS CENTER OF THE MAGIS USMC CCC 6011	
	MAGIS, IMAGERY INTERPRETATION SEGMENT SAC CCC 6012	

LIGHTWEIGHT THREE DIMENSIONAL GROUND
INTERCEPT RADAR
USMC CCC 9910

DETECTION OF LOW FLYING AIRCRAFT
USMC CCC 9925

RADAR, MORTAR LOCATING, GROUND MOBILE
HELD TRANSPORT BLE
USMC CCC 9952

COUNTER INTEL, TECHNICAL SURVEIL.
COUNTERMEASURES EDITOR SUITE
USMC INT 1002

IMAGERY PROCESSING SEGMENT
USMC INT 2021

1-95 CONT

MISSION AREA - TAC SURV, RECON & TARGET ACQ
255.2

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
96-1	SMALL HAND HELD IMAGE STABILIZATION DEVICE USMC INT 2021.1 INFLATABLE BOAT SH'LL (IBS) AND SILENCED PROPULSION SYSTEM USMC INT 2022 MARINE LIGHT OBSERVATION/SURVEILLANCE A/C DVX USMC INT 2109 SILENCED RECONNAISSANCE WEAPON USMC INT 2115 INTEGRATED COMMUNICATIONS COLLECTION SYSTEM USMC INT 3103 COMMUNICATION AND NONCOMMUNICATION EMITTER ID SYSTEM USMC INT 3141 SHORT RANGE DIRECTION FINDING SYSTEM USN INT 3151	

AIRBORNE RADIO DIRECTION FINDING SYSTEM
USMC INT 3200.1

LIGHTWEIGHT BATTLEFIELD SURVEILLANCE
DEVICE
USMC INT 4133

BATTLEFIELD SURVEILLANCE RADAR ECM
SYSTEM
USMC INT 4140.1

TACTICAL REMOTE SENSOR SYSTEM (TPS*)
USMC INT 5101

LIGHTWEIGHT FOLIAGE-PENETRATION
BATTLEFIELD SURVEILLANCE DEV
USMC INT 5112

MISSION AREA - TAC SURV, RECON & TARGET ACQ
255.J

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
I-97	<p>AIR TO GROUND DATA LINK FOR SLAR & IR RECON SYSTEM USMC INT 5250</p> <p>HOSTILE ARTILLERY LOCATION USMC INT 6110</p> <p>ANALYTICAL PHOTO POSITIONING SYSTEM USMC INT 6140</p> <p>SMALL TACTICAL AERIAL MOBILITY PLATFORM USMC NOB 3401</p> <p>MODULAR UNIVERSAL LASER EQUIPMENT (MULE) USMC SPA 1013</p> <p>LASER GUIDED ZUNI USMC SPA 2413</p> <p>MULTI-BAND RADAR CONSON USMC SPA 2414</p>	

STAND OFF LASER OPTICAL WEAPONS SYSTEM
USN: SPA 3327

AIRBORN TARGET HANDOFF SYSTEM ACN
41682

USA CCC 3022

MOHAWK DATA TRANSMISSION SYSTEM-SLAR
ACN 23410 CARDS 0553

USA CCC 9241

CAMERA SYS, STILL PICT., SM FORM., SGL
LENS REFLEX ACN 20048

USA INT 2321

GROUND EMITTER LOCATION IDENTIFICATION
SYSTEM (GELIS-HIGH)

USA INT 3121

I-97 CONT

MISSION AREA = TAC SURV, RECON & TARGET ACQ
255.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
86-1		SLEWABLE ELECTRO-OPTICAL RECONNAISSANCE SENSOR US/F INT 4215 COVERT NIGHT RECONNAISSANCE SENSOR USA/F INT 4222 REMOTELY MONITORED BATTLEFIELD SENSOR SYSTEM ACN 01337 US/ INT 5100 TARGET ACQUISITION DESIGNATION RECON SYSTEM USA INT 5121.1 STAND-OFF TARGET ACQUISITION SYSTEM (SOTAS) ACN 22842 USA INT 6001 NON-COOPERATIVE TARGET RECOGNITION IN TACTICAL FLEET A/C USN INT 6200 TUNNEL DETECTION SYSTEM 42574 USA INT 8032	

FIELD ARTILLERY ACOUSTIC LOCATING
SYSTEM ACN 24276

USA SPA 2051

LASER ACQUISITION DEVICE (GLADIS)

USAF SPA 2420

LIGHTWEIGHT LASER DESIGNATOR (LWLD)

US1 SPA 2425

GROUND/VEHICULAR LASER LOCATOR

DESIGNATOR ACN 20344

USA SPA 2426

FLIR AUGMENTED COBRA TOW SIGHT, IMPR.

TOW MISSILE SUBSYSTEM

USA SPA 3002.1

MISSION AREA - TAC SURV, RECON & TARGET ACQ
255.3

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
		<p>TACTICAL EXPENDABLE DRONE SYSTEM (TEDS) USAF SPA 3190</p> <p>MULTIPURPOSE DRONES FOR TACTICAL FORCES USAF SPA 3191</p> <p>HIGH ALTITUDE LONG ENDURANCE DRONES USAF SPA 3191.1</p> <p>INTERIM SCOUT HELICOPTER ACN 24254 USA SPA 3323</p> <p>HANPORTABLE COMMON THERMAL NIGHT SIGHTS USA SPA 3349</p> <p>TOW THERMAL NIGHT SIGHTS (TTNS) USA SPA 3352</p>

MISSION AREA - FACTICAL COMMUNICATIONS
256.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
LANDING FORCE INTEGRATED COMMUNICATIONS SYSTEM (LFICS) STJDY -S436913 COMMUNICATIONS SYS. REQ (CSR) (1979-1988) STJDY -S437201 MAGTF TELEPROCESSING REQUIR. STUDY (1983-1985) STJDY -S647301 SATELLITE COMMUNICATION EQUIPMENT WORK DIR C0343X LFICS ARCHITECTURE WORK DIR C0343A	SATELLITE COMMUNICATION EQUIPMENT CCC 9595 LFICS ARCHITECTURE CCC 9130		

001-1

ESAC GENERAL SUPPORT TO THE MARINE
CORPS
WORK DIR 00046X

MARINE CORPS HIGH FREQUENCY RADIO
PROGRAM
WORK DIR 00048A

TACTICAL AUTOMATIC SWITCHING & ASSOC
TECH CONTROL
WORK DIR 00049E

TAC WIDEBAND ANTENNAS & TOWERS ANTIFAM
CAPABILITIES
WORK DIR 00048G

LFICS ARCHITECTURE
CCC 9269

LFICS ARCHITECTURE
CCC 9595

MARINE CORPS HIGH FREQUENCY RADIO
PROGRAM
CCC 9527

TACTICAL AUTOMATIC SWITCHING & ASSOC
TECH CONTROL
CCC 9655

MISSION AREA - TACTICAL COMMUNICATIONS
256.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
ADVANCED NARROWBAND DIGITAL VOICE TERMINAL (ANDVT) WORK DIR CDD49H SINGLE CHANNEL GROUND AND AIRBORNE RADIO SUBSYSTEM (VHF) WORK DIR CDD49I I-101 GROUND TO AIR UHF RADIOS WORK DIR CDD49J RADIO CENTRAL (RC) WORK DIR CDD48K DIGITAL WIDEBAND TRANSMISSION SYSTEM WORK DIR CDD48L INTEGRATED BONE-CONDUCTION MICROPHONE WORK DIR CDD48M	GROUND TO AIR UHF RADIOS CCC 9526 RADIO CENTRAL (RC) CCC 4015 RADIO CENTRAL (RC) CCC 9114 DIGITAL WIDEBAND TRANSMISSION SYSTEM CCC 9522		

UNIT LEVEL CIRCUIT SWITCH (ULCS)
WORK DIR CDD49X

JOINT TACTICAL INFORMATION DISTRIBUTION
SYSTEM (JTIDS)
WORK DIR CDD53X

UNIT LEVEL MESSAGE SWITCH (ULMS)
DEVELOPMENT
WORK DIR CDD55X

1-101 CONT
TACTICAL COMMUNICATIONS CONTROL
FACILITIES (TCCF)
WORK DIR CDD65A

MODULAR RECORD TRAFFIC TERMINAL (MRTT)
WORK DIR CDD65B

MISSION AREA - TACTICAL COMMUNICATIONS
256.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
TACTIC I DIGITAL FACSIMILE WORK DIR 00365C AN/TRC 173 WORK DIR 00365E DIGITAL NON-SECURE VOICE TERMINAL (DNVT) WORK DIR 00365F DIGITAL GROUP MULTIPLEXER WORK DIR 00365G MARCOR PARTICIPATION IN THE TRITAC PROGRAM WORK DIR 00365V DIGITAL COMMUNICATIONS TERMINAL (DCT) WORK DIR 01374X	DIGITAL COMMUNICATIONS TERMINAL (DCT) CCC 9820 X32-88 LINE OF SIGHT TASK FORCE COMMUNICATIONS		

USN CCC 8001

FAMILY OF SINGLE CHANNEL RADIO CENTRALS
FOR THE FMF

USMC CCC 9114

LIGHTWEIGHT PORTABLE FACSIMILE SYSTEM

USMC CCC 9220

TACTICAL TELETYPewriter

USMC CCC 9260

AUTOMATED DATA ENTRY SYSTEM (ADES)

USMC CCC 9269

SQUAD LEVEL RADIOS

USMC CCC 9510

MISSIOY AREA - TACTICAL COMMUNICATIONS
255.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
1-103	MANPORTABLE RADIO RECEIVER SET USMC CCC 9520.2		
	DIGITAL WIDEBAND TRANSMISSION SYSTEM (DMTS) USMC CCC 9522		
	TACTICAL FREQUENCY MANAGEMENT SYSTEM USAF CCC 9524		
	FAMILY OF GROUND TO AIR UHF RADIOS USMC CCC 9526		
	FAMILY OF HIGH FREQUENCY RADIOS USMC CCC 9527		
	IMPROVED BATTERIES USMC CCC 9563		
	TIME DIVERSITY MODEMS USAF CCC 9592		

TACTICAL SATELLITE COMMUNICATIONS
TERMINALS

USMC CCC 9595

STEERABLE SUBMARINE SATCOM ANTENNA

USN CCC 9598

FAM OF IMP TELEPHONE CALL DIST EQUIP &
CIR MON & RESTOR EQUI

USMC CCC 9655

SOLAR POWER UNIT

USMC CCC 96631

BROADBAND OMNIDIRECTIONAL VHF ANTENNA
SYSTEM

USA CCC 9711

MISSION AREA - TACTICAL COMMUNICATIONS
256.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
I-104	ANTENNA TOWERS AND LIGHTWEIGHT DEPLOYABLE MASTS USMC CCC 9722 DIGITAL COMMUNICATIONS TERMINALS USMC CCC 9820 HF COMM IMPROVEMENT AND MODERNIZATION USMC CCC 9986	POSITION LOCATION REPORTING SYSTEM J-TICS HYBRID USA CCC 3020 OPTICAL CABLE TRANSMISSION SYSTEM ACM 23266 USA CCC 4925 ADVANCED NARROWBAND DIGITAL VOICE TERMINAL USAF CCC 9212 HIGH SPEED FACSIMILE SYSTEM USA CCC 9222	

MODULAR RECORD TRAFFIC TERMINAL
USMC CCC 9273

NET RADIO INTERFACE ACN 24293
USA CCC 9300

HIGH SPEED SERIAL DATA BUFFER CARDS
0839G(12)
USA CCC 9350

TIME DIGITAL MULTIPLEXER ACN 13357
CARDS 0839G(14)
USA CCC 9370

MOBILE SUBSCRIBER EQUIPMENT ACN 20017
USA CCC 9431

MISSION AREA - TACTICAL COMMUNICATIONS
256.0

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
		MAP OF THE EARTH COMMUNICATIONS ACN 22213 USA CCC 9511 SINCCARS, VHF/FM PORTION OF ACN 22624 CARDS 0895 USA CCC 9514 VHF TRANSCEIVER MULTIPLEXER (TD 1288(V)/GRC & TD 1289) USA CCC 9517 PORTABLE UHF/FM TRANSCEIVER ACN 21220 CARDS 0804R USA CCC 9531 250W AMPLIFIER, RADIO SET AN/GRC 103 ACN 20023 CARDS 0839F USA CCC 9547 SATELITE/AIRBORNE COMMUNICATIONS RELAY USAF CCC 9591 DIRECTIONAL ANTENNAS USA CCC 9709	

I-105 CONT

RAPID ERRECTING 10-30 METER TAC ANT
MAST ACN 23850 CARD 0805
USA CCC 9721

FORESHORTENED VHF VEHICULAR ANTENNA
SYSTEM ACN 22255 CDS 080
USA CCC 9761

MONITORING SET, TELEPHONE AN/YTR-1A ACN
22101 CARDS 0842
USA CCC 9877

STEERABLE NULL ANTENNA PROCESSOR (SNAP
1) ACN 24295
USA INT 4105

PROGRAMMABLE HAND HELD CALCULATOR ACN
36808
USA SPA 2121

MISSION AREA = ELECTRONIC WARFARE & COUNTER C3-I
257.

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
<p>ALTERNATIVE MEANS OF INTELLIGENCE COLLECTION/PRODUCTION STUDY #S217801</p> <p>1-100 MAR CORPS SIGNAL INTELLIGENCE/SOUND ELECT WARFARE STUDY #S217501</p> <p>SIGNAL WARFARE STUDY #S217701</p> <p>MARINE CORPS SIGNALS INTPL/EM (SIGINT/EM) RFO (1990-93) STUDY #S217801</p> <p>MARINE CORPS TACTICAL HELIBORNE EM REQ.</p>			

STU 5567724

NAVY COMM. MEASURES TECHNOLOGY
MC TAP TWF34372091

INTEGRATED COMMUNICATIONS COLLECTION
SYSTEM
WORK DIR CCC270

EDAC GENERAL SUPPORT TO THE MARINE
CORPS
WORK DIR CCC44X

TAC WIDEBAND ANTENNAS & TOWERS ANTICJAN
CAPABILITIES
WORK DIR CCC42G

COMM ELECTRONIC COUNTERMEASURES (CECM)
AM/TLO-17A
WORK DIR CCC67X

INTEGRATED COMMUNICATIONS COLLECTION
SYSTEM
CCC 9520

I-106 CONF

MISSION AREA = ELECTRONIC WARFARE & COUNTER C3-I
257.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
HAND EMPLACED EXPENDABLE JAMMERS (HE-EXJAM) WORK DIR 0068A ARTILLERY DELIVERED EXPENDABLE JAMMERS (AD EXJAM) WORK DIR 0068B AIRBORNE EXPENDABLE JAMMERS (AB EXJAM) WORK DIR 0068C ELEC. WARFARE PRODUCT IMPROVEMENT PROGRAM WORK DIR 01269A	COUNTER INTEL. TECHNICAL SURVEIL. COUNTERMEASURES EQUIP SUITE USMC INT 1002 INTEGRATED COMMUNICATIONS COLLECTION SYSTEM USMC INT 3103 COMMUNICATION AND NONCOMMUNICATION EMITTER ID SYSTEM		

USMC INT 3141

AIRBORNE RADIO DIRECTION FINDING SYSTEM
USMC INT 3200.1

TEAM-PORTABLE ELECTRONIC WARFARE
SUPPORT MEASURES, NONCOMM
USMC INT 4000

LINEAR ECHO
USN INT 4007

EXPENDABLE JAMMERS (EXJAM)
USN INT 4130.2

BATTLEFIELD SURVEILLANCE RADAR ECH
SYSTEM
USMC INT 4140.1

MISSION AREA - ELECTRONIC WARFARE & COUNTER CB-I
257.0

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
801-1	TACTICAL INTRUSION DETECTOR USMC INT 5121		
	DIGITAL DATA BETWEEN MC ESP/ESY A/C & TERFES USMC INT 5251	AN/YSQ-114 DETECTION SYSTEM, SPECIAL PURPOSE USA CCC 6200 GROUND EMITTER LOCATION IDENTIFICATION SYSTEM (GELIS-HIGH) USA INT 3121 STEERABLE NULL ANTENNA PROCESSOR (SNAP 1) ACM 24295 USA INT 1105 TACTICAL AIRCRAFT INFRARED COUNTERMEASURES USAF INT 4210.1 ANTI-RADIATION PROJECTILE (ARP) USA SPA 2125	

2.75 INCH FOCKET CHAFF WARHEAD ACN
24263
USA SPA 2224

MISSION AREA - ASSAULT SUPPORT
261.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
AIRLIFT REQ/MARINE CORPS DIRECT SUPPORT AIRLIFT STUDY #5517324 1-109 TACTICAL SUPPORT AERIAL TRANSPORT STUDY STUDY #5546792 HELDS IN VARIOUS HELD MIXES IN AMPHIB. OPS DETERMINATION OF OP.EFF & COMBATIBILITY STUDY #5567202 MARINE UTILITY HELD/OVX REQ (1990-2000) STUDY #5547921 ADVANCED CONCEPT OF V/STOL ASSAULT OPS.			

(1973-1996)
STJY +5567733

VERY H AVY LIFT HELICOPTER (VHLH) STUDY
STJY +5585802

HELICOPTER EXTERNAL CARGO HANDLING
WORK DIR 000795

HALO/OFFSET DELIVERY/MILT. FREE
FALL(MFF) PARACHUTE EQUIP.
WORK DIR 00095F

HELICOPTER EXTERNAL CARGO HANDLING
LGS 9100

MILITARY FREEFALL MANEUVERABLE RESERVE
PARACHUTE
USMC INT 2170-1

MISSION AREA - ASSAULT SUPPORT
251.1

A	B	C
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
1-110	<p>EXTERNAL HELICOPTER SLINGS USA LGS 9100</p> <p>HELICOPTER SKIS/LANDING PADS USMC MOB 3101</p> <p>COMBAT SUPPORT TRANSPORT (CST) USMC MOB 3205</p> <p>WELD NIGHT VISION SYSTEM USN SPA 3092</p> <p>MARINE MEDIUM ASSAULT V/TOL A/C (V/HXM) USMC SPA 3162.1</p>	<p>BUNDLE DELIVERY SYSTEM ACN 23963 USA INT 2130</p> <p>STAGED PARACHUTE SYSTEM FOR PERS. & ACCOMP. BNPLS. ACN 23407</p>

1-110 CONT

USMC INT 2171

DROP ZONE ASSEMBLY AIDS SYSTEM
USA INT 2172

HIGH ALTITUDE AIRDROP RESUPPLY SYSTEM
ACN 24375
US LGS 9126

ULTRA HIGH LEVEL CONTAINER AIRDROP
SYSTEM ACN 21532
US LGS 9127

REDUCTION IN HEAVY DROP EXTRACTION TIME
ACN 23131
US LGS 9128

HIGH SPEED AERIAL DELIVERY CONTAINER,
CTU-2A ACN 45288
US LGS 9155

MISSION AREA - ASSAULT SUPPORT
251.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
111-1		PLATFORM ASSEMBLAGE, AIRDROP ACN 16475 CA-DS 2940 US LGS 9160 INTERIM RAMP BUNDLE AIRDROP SYSTEM ACN 51526 US LGS 9165 CONTAINER LIFT ADAPTER US LGS 9187 DRAGON JUMP PACK USA SPA 3462	

MISSION AREA - SEALIFT
2520

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
AMPHIB VEHICLE COMPONENT TEST RIG MC TAP AMPHIB VEHICLE COMPONENT TEST RIG MC PED P1-81-MGL DETERM FEASIBILITY OF WHEELED AMPHIB VEHICLES MC PED P2-81-MGL LIGHTWEIGHT MATERIAL TECH FOR FUTURE VEHICLES MC PED P3-81-MGL LIGHTWEIGHT ARMOR FOR AMPHIB VEHICLES MC PED P4-81-MGL			

1-112

MISSION AREA = TACTICAL REFUELING
254.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
BULK FUEL EQUIP WORK DIR 0079F EXPEDITIONARY BULK FUEL EQUIPMENT. WORK DIR 0079C KOK WE PDVS SYSTEM CONCEPT FORMULATION WORK DIR 0082F	EXPEDITIONARY BULK FUEL EQUIPMENT. LGS 2150 EXPEDITIONARY BULK FUEL EQUIPMENT. LGS 6233 MARCOR LIQUID STORAGE TRANSPORTING AND DISPENSING SYSTEM USMC LGS 2150.2 ARTIC FUEL DISPENSING EQUIPMENT (AFDE) USA LGS 6233.1 TANKER AIRCRAFT TO ACCOMMODATE HELD AERIAL REFUELING		

I-113 CONT

USN LGS 6238

HELICOPTER EXPEDIENT REFUELING SYSTEM
USMC LGS 9724

KCX AIRCRAFT
USMC MOB 3200

SEMITRAILER, TANK, 5000 GALLON, BULK
WATER TRANS. ACN 44056
US: LGS 6100.1

BULK FUEL TANK ASSEMBLY-SELF SUPPORTING
US: LGS 6232

PETROLEUM HOSELINE SYSTEM
USA LGS 6233.2

MISSION AREA - TACTICAL REFUELING
264.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
I-114		PIPELINE OUTFIT, PETROLEUM	
		USA LLS 6239	

MISSION AREA - NAVIGATION
321.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
I-115		EMERGENCY LOCATOR TRANSMITTER USAF LGS 9512	
		COMBAT VEHICLE HEADING REFERENCE UNIT ACN 41683 USA MOB 2110.1	
		DC-130 AIRBORNE FLIGHT DETECTOR MOD - 316-74 USAF SPA 3193	

MISSION AREA - POSITION FIXING
321.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
POSITION LOCATION REPORTING SYSTEM (PLRS) WORK DIR 00042X NAVIGATION SYSTEM USING TIME AND RANGING GLOBAL POSITIONING WORK DIR 00052X JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS) WORK DIR 00153X DUAL BAND RADAR BEACON (SEEKSET). WORK DIR 000820	DUAL BAND RADAR BEACON (SEEKSET). SPA 2414 GLOBAL POSITIONING SYSTEM (GPS) USMC CCC 3020.1 ANALYTICAL PHOTO POSITIONING SYSTEM USMC INT 6140		

MISSION AREA - SUPPORT AND BASE COMMUNICATIONS
322.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEPE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
COMMUNICATIONS SYS. REQ (CSR) (1976-1989) STJCY #5437231 I-117 SATELLITE COMMUNICATION EQUIPMENT WORK DIR C0342X TACTIC L AUTOMATIC SWITCHING & ASSOC TECH CONTROL WORK DIR C03491 TAC WIDEBAND ANTENNAS & TOWERS ANTJAH CAPABILITIES WORK DIR C0349G ADVANCED NARROWBAND DIGITAL VOICE TERMIN L (ANDVT) WORK DIR C0348H RADIO CENTRAL (RC) WORK DIR C0349K	SATELLITE COMMUNICATION EQUIPMENT CCC 9575 TACTICAL AUTOMATIC SWITCHING & ASSOC TECH CONTROL CCC 9855 RADIO CENTRAL (RC) CCC 4015		

DIGITAL WIDEBAND TRANSMISSION SYSTEM
WDRK D'R 00043L

RADIO CENTRAL (RC)
CCC 9114

DIGITAL WIDEBAND TRANSMISSION SYSTEM
CCC 9522

AUTOMATED DATA ENTRY SYSTEM (AMES)
USMC CCC 9269

BROADBAND OMNIDIRECTIONAL VHF ANTENNA
SYSTEM
USA CCC 9711

OPTICAL CABLE TRANSMISSION SYSTEM ACN
23266

USA CCC 4125

STANDARD FIXED STATION TELETYPEWRITER
USA CCC 9101.1

MISSION AREA - SUPPORT AND BASE COMMUNICATIONS
322.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
		DIGITAL NOY-SECURE VOICE TERMINAL USAF CCC 9211 INTERIM AUTOMATED MESSAGE PROCESSING SYSTEM (ASHPS) USA CCC 9269 USASA C&P CO. COMMUNICATIONS FACILITY ACN 54333 USMC INT 3:001.1	

MISSION AREA - COMSEC
324.0

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
<p>MIN ESSENTIAL REQ FOR VOICE SECURITY EQUIP IN THE MAR CORPS (1977-85) STUDY #5217631</p> <p>I-119 COMSEC EQPMT RQTS & APPLICATIONS FOR MARCOR COMM WORK DIR CDD498</p> <p>SECURE VOICE FOR TRACKED VEHICLES WORK DIR CDD49D</p> <p>COMSEC APPLICATIONS WORK DIR CDD65D</p>	<p>CRYPTO IGNITION FOR TRI TAC DIGITAL SUBSCRIBER VOICE TERMINA USN CCC 9411</p> <p>LOW PROBABILITY OF INTERCEPT COMM USN CCC 9513</p>		

SECURE TELEMETRY
USN CCC 9800

TACTICAL CRYPTO SECURITY EQUIPMENT
(PORTABLE/MANPACK)
USMC CCC 9805

TACTICAL HIGH SPEED FORWARD AREA KEY
GENERATOR TSEC/KG43
USA CCC 8000

STANDARD SECURE TELEMETRY SYSTEM
USAF CCC 9900

TACTICAL NARROWBAND SECURE VOICE DEVICE
USA CCC 9916

SMALL TACTICAL WIDEBAND SECURITY
APPLIQUE UNIT (VINSON)
USA CCC 9870

MISSION AREA = COMSEC
324.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK D'RECTIVE	MARINE/NAVY	OTHER SERVICE	
1-1.20		INTEGRATED FM RADIO WIDEBAND SECURE VOICE DEVICE (BANCROFT) USA CCC 9590	

MISSION AREA - TRAINING DEVICES/SIMULATORS
431.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
USMC PERSONNEL RESOURCES MANAGEMENT MC TAP TZF63521031 1-121		MOUNTING KIT FOR TRAINER, TANK GUNNERY LASER USA TRG 3501	

MISSION AREA - TRAINING DEVICES
431.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
<p>LASER TECHNICAL TRAINING FOR THE MARINE CORPS (1978-84) STUDY #5317431</p> <p>1-122 HUMAN FACTORS & SIMULATION TECHNOLOGY MC TAP TZF57526032</p> <p>SJRFAC- NAVIGATION ORIENTATION TRAINER (SURVOT) WORK DIR 00074A</p> <p>MAGCS TRAINING DEVICE 15A19 WORK DIR 001036</p> <p>UNIVERSAL INFANTRY WEAPONS TRAINER (UIWT) WORK DIR 01073X</p>	<p>UNIVERSAL INFANTRY WEAPONS TRAINER (UIWT) TAG 4300</p> <p>CLASS A ELECTRONIC EQUIPMENT MAINTENANCE TRAINING SYSTEM USN CCC 9630</p>		

I-122 CONT

AUTHORING INSTRUCTIONAL MATERIALS
SYSTEM

USN INT 1019

UNIVERSAL INFANTRY WEAPONS TRAINER
USMC TRG 4300

CHAPPARAL IFF TRAINING DEVICE CARDS
0504

USA INT T000

AMYL NITRITE INHALANT AMPULE TRAINING
DEVICE ACN 30018

USA NBC 3060

LASER & HOLOGRAPHIC TECH FOR NAVAL AIR
TRAINING

USN SPA 2421

US ROLAND CLASSROOM TRAINER ACN 02093

USA SPA 3200

MISSION AREA - TRAINING DEVICES
431.1

A	B	C
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
1-123		XMI TANK SYSTEM TRAINING DEVICE USA SPA 5044 ARMOR REMOTED TARGET SYSTEM USA TRG 3300 CAL 22 RIM FIRE ADAPTER FOR M16A1 RIFLE USA TRG 3600 WEAPON STATION TRAINER - MICV-70 USA TRG 7100

MISSION AREA - SIMULATORS
431.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
CODE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
TACTICAL WARFARE SIMULATION, EVAL & ANALYSIS SYSTEM (TWSEAS) WORK DIR 00022X I-124	TACTICAL WARFARE SIMULATION, EVAL & ANALYSIS SYSTEM (TWSEAS) TRG 5300 MARCOR ELECTRONIC WARFARE SIMULATION SUITE USN INT 4008 VISUAL DISPLAY SYSTEM DEVICE USMC SPA 3121 LASER COMBAT ENGAGEMENT SIMULATION SYSTEM USMC TRG 4250 TACTICAL WARFARE ANALYSIS AND EVALUATION SYSTEM USMC TRG 5300	DIAGNOSTIC RIFLE MARKSMENSHIP SIMULATOR USA TRG 4200	

ELECTROMAGNETIC SIGNATURE SIMULATORS
MC PED: P1-81-INT

MISSION AREA - OTHER TEST AND EVALUATION SUPPORT
454.3

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<p> MAR 41: TRFICCNTRL SQDN (MATCS)EQPMT INITL OP TSTEEVLN IOTE WORK DIR C3382C </p> <p>I-125</p>		

MISSION AREA = GENERAL MANAGEMENT SUPPORT
671.3

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<div data-bbox="130 1327 148 1384" data-label="Text"> <p>1-126</p> </div> <p>MARINE INTEGRATED PERSONNEL SYS (MIPS) (1975-85) STUDY STUDY =S127231</p> <p>INTER RELATIONSHIP OF AUTOMATED MANPOWER SYS SUPP FOR THE MANPOWER MGT PROCESS (TIMMI) STUDY =S127531</p> <p>DATA MANAGEMENT DEVICE REQ. (DMDR) STUDY =STJ7202</p> <p>AUTOMATED DATA SYSTEMS SUPPORT OF THE FMF STUDY =STJ7601</p> <p>ADS MANAGEMENT METHODOLOGY</p>		

STJDY =5757502

SOURCE DATA AUTOMATION CONCEPT TEST
STUDY =5937253

OFFICE MACHINE SUPPORT
WORK DIR 00765

AV/TPQ 27 PRODUCTION MANAGEMENT OF
WORK DIR 001035

OFFICE MACHINE SUPPORT
LGS 2001

AV/TPQ-27 PRODUCTION MANAGEMENT OF
CCC 4040

I-126 CONT

MISSION AREA - GENERAL MANAGEMENT SUPPORT
471.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
I-127	LIGHTWEIGHT PORTABLE FACSIMILE SYSTEM USMC CCC 9220		
	SOURCE DATA AUTOMATION USMC CCC 9350		
	TACTICAL FREQUENCY MANAGEMENT SYSTEM USAF CCC 9524		
	OFFICE EQUIPMENT USMC LGS 2001		
	DUPLICATING EQUIPMENT USMC LGS 2002		
	MARINE INTEGRATED PERSONNEL SYSTEM (MIPS) USMC TRG 1300		
		STANDARD FIXED STATION TELETYPEWRITER USA CCC 9101.1	

HIGH SPEED FACSIMILIE SYSTEM
USA CCC 9222

INTERIM AUTOMATED MESSAGE PROCESSING
SYSTEM (IASMPS)
USA CCC 9269

CAMERA SYS, STILL PICT., SM FORM., SGL
LENS REFLEX ACN 20048
USA INT 2'21

CHART/OVERLAY COPIER
USA LGS 2006

QUICK RESPONSE MULTICOLOR PRINTER 33026
US. LGS 2008

MISSION AREA - GENERAL MANAGEMENT SUPPORT
471.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
DETERM OF CAUSES OF REDUCED RETEN RATES OF ENL CARREER MAR MC PEDE P1-81-MPW ANALYSIS OF FIRST TERM ATTRITION OF WOMEN MARINES MC PEDE P2-81-MPW AN ANALYSIS OF OCCUPATIONAL LATERAL MOVEMENT MC PED P3-81-MPW QJAL/QJANT ASSESS OF RED SYS IMPACT ON MANPOWER (COMPUTER MOD) MC PED- P4-81-MPW DEMOGRAPHIC PROFILE OF MAR CORPS FAMILIES IN 1985-90 MC PEDE P5-81-MPW FACTORS OF HIGH ATTRIT PATES AMONG OFFICERS IN 3EL OCC FLOS MC PED P6-81-MPW METHOD TO DETERM AND MEASURE AFFIRMATIVE ACTION PLANS			

1-128

MC PED P7-91-MPW

NETWORK ANALYSIS OF COPPA IMPACT ON MC
LDD PROGRAM

MC PED P3-91-MPW

MISSION AREA - TARGET ACQUISITION
521.1

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
UNDERS & WARFARE WEAPONRY TECHNOLOGY MC TAP TSP33341452 USMC TACTICAL SURVEILLANCE MC TAP TZF12113791 ECOM FOR VEHICULAR HF COMM MC PEDF P1-81-CCC			

1-129

MISSION AREA = TRAINING
521.2

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
HUMAN FACTORS & SIMULATION TECHNOLOGY MC TAP TZF57526002 USMC PERSONNEL RESOURCES MANAGEMENT MC TAP TZF63521001 ELECTROMAGNETIC SIGNATURE SIMULATORS MC PED PI-81-INT			

MISSILE AREA - COMMAND AND CONTROL
521.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
<p>JSNC COMMAND & CONTROL TECHNOLOGY NO TAP T2F212 1/81</p> <p>DETERM OF TNG FACTORS IN CHEM & BIOL DEFENS CAPABILITIES NO PED P1-81-TNG</p> <p>LOW COST PASSIVE NAVIGATION NO PED P1/81-SCC</p> <p>LIGHTNING BATTLEFIELD TRACK PREDICTOR RADAR CAPABILITY NO PED P2-51-SCC</p> <p>TNG PROBLEMS OF SPECIAL ENVIRONMENTS NO PED P2-51-TNG</p> <p>SHALL UNIT NAVIGATIONAL SYSTEM (SUNS) NO PED P3-51-INT</p> <p>DETERM IF INDIV & UNIT TNG REQ TO SUPPORT R&D CONCEPTS</p>			

NO PERF P3-91-INS

PROGRAMMABLE INTERFACE TECHNOLOGY

NO PERF P5-91-CCC

1-13-77

MISSION AREA - HUMAN RESOURCES
521.6

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
BIOMEDICAL TECHNOLOGY MC TAP TME58524080 USMC PERSONNEL RESOURCES MANAGEMENT MC TAP TZF63521001 DETERM OF CAUSES OF REDUCED RETEN RATES OF ENL CAREER MAR MC PED P1-B1-MPW ANALYSIS OF FIRST TERM ATTRITION OF WOMEN MARINES MC PED P7-B1-MPW AN ANALYSIS OF OCCUPATIONAL LATERAL MOVEMENT MC PED P3-B1-MPW QUAL/QUANT ASSESS OF RED SYS IMPACT ON MANPOWER (COMPUTER MOD) MC PED P4-B1-MPW DEMOGRAPHIC PROFILE OF MAR CORPS FAMILIES IN 1985-90			

MC PED P5-81-MPW

FACTORS OF HIGH ATTRIT RATES AMONG
OFFICERS IN SEL DOD FLOS

MC P-OF P6-81-MPW

METHOD TO DETERM AND MEASURE
AFFIRMATIVE ACTION PLANS

MC PED P7-81-MPW

NETWORK ANALYSIS OF DOPMA IMPACT ON MC
LDD PROGRAM

MC PED P8-81-MPW

MISSION AREA - ELECTRONIC WARFARE/ECH
521.5

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
NAVY COUNTERMEASURES TECHNOLOGY MC TAP YWF34372791 SM OPERATIONAL DECEPTION TECHNIQUES MC PED P7-91-INT 1-133			

MISSION AREA - SUPPLY, LOGISTICS AND MAINT
521.5

A	B		C
	SPECIFIC MATL	MENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
LOGISTICS TECHNOLOGY MC T&P TTF63531391 AMPHIBIOUS/ADVANCED BASE MOBILITY MC TAP TYF63536091 I-134			

MISSION AREA = SURVEILLANCE
521.7

A	B		C
	SPECIFIC SERIAL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
<p>OCEAN & ATMOSPHERIC SPT TECH ENVIRONMENTAL REMOTE SENSING IN A3A MC TAP YWF59553701</p> <p>USMC TACTICAL SURVEILLANCE MC TAP TZF12113381</p> <p>1-135 OCEAN & ATMOSPHERIC SPT TECH TELEOPRTR'S & BI-SIM TECH MC TAP TZF59556002</p> <p>AIRBORNE REMOTE CONTROL SURVEIL THREAT REC/IDENT SYSTEM MC PEDF P2-B1-INT</p> <p>ULTRA HIGH SPEED A TO D CONVERSION TECHNOLOGY MC PEDF P3-B1-CCC</p> <p>PASSIVE IDENT OF FRIEND AND/OR FOE (IFF) MC PEDF P4-B1-CCC</p> <p>RECONNAISSANCE ENTRY/RECOVERY SYS (RERS)</p>			

MC PEDE P4-81-INT

DIRECTION FINDING SYS TO PERMIT ARTY
TARGETING

MC PEDE P5-81-INT

INTERCEPT & DF OF SPREAD SPECTRUM AND
FREQ AGILE COMM SYS

MC PEDE P6-81-INT

AIRBORNE TACTICAL TGT
DETECTION/CLASSIFICATION

MC PEDE P8-81-INT

AIRBORNE ELINT THREAT RECOG AND IDENT
SYSTEM

MC PEDE P9-81-INT

I-135 CONT

MISSION AREA - COMMUNICATIONS
521.8

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE	
LOW COST DIGITAL RADIO MC PEDE P6-81-CCC LOW COST LIGHTWEIGHT HF MULTICOUPLER MC PEDE P7-01-CCC I-136 LOW PROFILE/COST LIGHTWEIGHT BROADBAND HF ANTENNA MC PEDE P8-81-CCC REMOTELY CONTROLLED COMM RELAY MC PEDE P9-81-CCC			

MISSION AREA - ELECTRONICS
521.9

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
<p>WIREFREE INTRA MODAL COMM MC PEDE P11-01-CCC</p> <p>I-137</p>		

MISSION AREA - ENGINEERING TECHNOLOGY
529.3

A	B		C
	SPECIFIC MATERIEL REQUIREMENTS		
PEDE/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY		OTHER SERVICE
MATERIALS TECHNOLOGY USMC WEAPONS MATERIAL SUPPORT MC TAP TSF61544503 MARINE CORPS WEAPONRY TECHNOLOGY MC TAP TZF3230J382 I-138 MATERIALS TECHNOLOGY MARINE TRIBOLOGY MC TAP TZF61341082 MATERIALS TECHNOLOGY CONSTRUCTION/CORROSION MATERIAL MC TAP TZF61544591			

MISSION AREA = ENGINEER
523.3

A	B	C
	SPECIFIC MATERIEL REQUIREMENTS	
PED"/TAP/STUDY/WORK DIRECTIVE	MARINE/NAVY	OTHER SERVICE
COUNTERMEASURES TECHNOLOGY MC TAP TZF34372080 1-139		

MISSION AREA - VEHICLES
923.4

A	B	C
PEDE/TAP/STUDY/WORK DIRECTIVE	SPECIFIC MATERIEL REQUIREMENTS	
	MARINE/NAVY	OTHER SERVICE
<p>SURFACE MOBILITY VEHICLES TECHNOLOGY MC TAP TZF43461210</p> <p>SURFACE MOBILITY MATERIALS TECHNOLOGY MC TAP TZF43461217</p> <p>I-140</p>		

SECTION II - LIST OF STUDIES/TASK AREA PLANS (TAP'S)/
WORK DIRECTIVES/ PROPOSED EXPLORATORY DEVELOPMENT EFFORT (PEDE'S)

LIST OF STUDIES

VJ48F3	TITLE	RADD PAGE NUMBER
SS3072 5	GUIDE TO FIRE SUPPORT MIX EVALUATION TECHNIQUES	11
S127201	MARINE INTEGRATED PERSONNEL SYS (MIPS) (1976-85) STUDY	126
S127501	INTERRELATIONSHIP OF AUTOMATED MANPWR SYS SUPP FOR THE MANPWR MGT PROCESS (TIMMIS)	126
S236501	SFISMIC SYS TO LOCATE ARTY & MORTAR FIRING POSITIONS	93
S236505	INTELLIGENCE DATA HANDLING	91
7-11 S236705	INTELLIGENCE DATA HANDLING (IDH) DATA BASE DEFINITION	91
S237001	SURVEIL/TGT ACQ SYS FOR FMF (MIDRANGE, BASELINE 1977)	93
S237501	INTELLIGENCE REQUIREMENTS (1984)	85 93
S237901	ALTERNATIVE MEANS OF INTELLIGENCE COLLECTION/PRODUCTION	91 106
S217103	SIGNAL INTELLIGENCE ANALYSIS SYSTEMS (SIAS)	91
S217501	MAR CORPS SIGNAL INTELLIGENCE/GROUND ELECT WARFARE	106

S2175J1	MIN ESSENTIAL REQ FOR VOICE SECURITY EQUIP IN THE MAR CORPS (1977-85)	119
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S2179J1	MARINE CORPS SIGNALS INTEL/EW (SIGINT/EW) REQ (1980-90)	106

LIST OF STUDIES

NUMBER	TITLE	RADOD PAGE NUMBER
S336531	SYSTEMS ANALYSIS OF ADVANCED TGT ACQUISITION SYS (1975-85)	93
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6103M	CWO2 ARTIS 640 2021	U	19Oct76	LOG 1.04	(ROC) Heavy Motorized Road Grader M&L
6221A	CMC JAKVLEWICE 640 2021	U	9Jan78	LOG 1.05	(ROC) Family of Water Supply Equipment M&L
6242M	CEC COLEMAN 640 2021	U	1Nov76	LOG 1.06	(ROC) Expeditionary Electrical Power Distribution System M&L
6151M	CWO2 ARTIS 640 2021	U	19Oct76	LOG 1.08	(ROC) Light Crawler Tractor M&L
6105M	CM1 FISHBAUGH 640-2021	U	18Aug78	LOG 1.11A	(ROC) Truck Forklift Rough Terrain 6000lb M&L (Fielded)
6106M	CM1 FISHBAUGH 640-2021	U	30May78	LOG 1.12A	(ROC) Truck Forklift Rough Terrain 10000lb M&L (Fielded)
4111M	LCDR WHITE 640-3376	U	19Jan79	LOG 1.13A	(ROC) MarCor Environmentally Controlled Medical System (MCEMS) M&L
6911M	SSGT DIEHL 640-2021	U	8Dec77	LOG 1.14	(ROC) Lightweight Amphibious Container Handler (LACH) M&L

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9724M	CWO4 WILSON 640-2021	U	24Jul77	LOG 1.16A	(OR) Helicopter Expedient Refueling System M&L
7030M	MGYSGT SUMMER 640-2021	U	24May77	LOG 1.18	(ROC) Sanitation Unit M&L
6923A	CAPT ZINK 640-2136	U	1 May77	LOG 1.19	(ROC) Recovery Vehicle Full-Track Medium M88 Product Improvement FPWR
6870.1M	LTCOL BARENTS 640-3376	U	2Aug77	LOG 1.20	(ROC) MarCor Expeditionary Shelter System (MCESS) M&L
4211A	MAJ KASNER 955-2279	U	4Aug77	LOG 1.21	(ROC) Automated Bakery System M&L
6107M	CWO2 ARTIS 640-2021	U	25Oct77	LOG 1.22	(ROC) Hydraulic Excavator M&L
4202M	CEC COLEMAN 640-2021	U	7Oct77	LOG 1.23	(ROC) Field Refrigeration System M&L
6752A	MAJ GUTHRIE 540-3376	U	25OCT77	LOG 1.24	(ROC) Vehicle-Mounted Road Mine Detector System M&L
6835M	MAJ CROSS 640-3351	U	7Nov77	LOG 1.25	(ROC) Individual Shelter System M&L
2311M	CWO3 ROBINSON 640-3376	U	13Dec77	LOG 1.26	(ROC) Family of M. C. Survey Equipment M&L
2001M	MSGT SLAUGHTER 640-3376	U	16Aug78	LOG 1.27	(ROC) Office Equipment

2002M	MSGT SLAUGHTER 640-3376	U	16Aug78	LOG 1.28	(ROC) Duplicating Equipment M&L
6413M	CWO2 ARTIS 640-2021	U	16Mar78	LOG 1.31	(ROC) Self-Propelled Vibratory Compactor M&L
6753M	MAJ GUTHRIE 640-3376	U	17Apr78	LOG 1.32	(ROC) Track-Width, Tank Mounted Mine Clearing Roller System M&L
2150.2M	CWO4 WILSON 640-2021	U	31May78	LOG 1.33	(ROC) MarCor Liquid Storage Transporting and Dispensing System M&L
6152.1M	CWO3 ROBINSON 640-2021	U	14Jun78	LOG 1.34	(ROC) Mobile Welding Equipment M&L
2313M	MAJ SHADFORTH 640-2245	U	16Jan79	LOG 1.36	(ROC) Tactical Vehicle Fleet M&L
6100.2M	SSGT DIEHL 640-2021	U	15Jun78	LOG 1.37	(ROC) 7 1/2-Ton Rubber Tired Rough Terrain Hydraulic Crane (RRHC) with Telescoping Boom M&L
6229M	MGYSGT SUMMER 640-2021	U	18Jan79	LOG 1.39	(ROC) Expeditionary Field Bath Shower Unit M&L
6233.1A	CWO4 WILSON 640-2021	U	18Apr79	LOG 1.40	(ROC) Artic Fuel Dispensing Equipment (AFDE) M&L
6406M	MGYSGT SUMMER 640-2021	U	23Apr79	LOG 1.41	(ROC) Advanced Multipurpose Surfacing System M&L
6913M	LTCOL BARENTS 640-3376	U	27Jun79	LOG 1.42	(ROC) Family of Cargo Containers M&L
6841M	CWO2 BRENNER 640-2021	U	40Oct79	LOG 1.43	(ROC) Wiring System for Use in Pilleting and Operations Tents M&L
2202A	MAJ CROSS 640-3351	U	4Jun80	LOG 1.45	(ROC) Battle Dress Uniform M&L

3140M	CWO4 WILSON 640-2021	U	10May68	LOG 6.5	(SOR) Mobile Petroleum Quality Laboratory for Bulk Fuel Systems M&L
2340M	MAJ CROSS 640-3351	U	2Jan69	LOG 15.5	(SOR) Assault Life Preserver M&L

COMMUNICATIONS

3001M	LTCOL COSSABOON U 640-3161		16Apr73	CCC 1.03X	(ADO) Tactical Combat Operations (TCO) C ³
9510M	MSGT BRUNI 640-3161	U	28Jan63	CC 1.1	(SOR) Squad Level Radios C ³
6012M	CWO4 HENDERSON C 640-2581		28Aug72	CCC 1.04	(SOR) MAGIS, Imagery Interpretation Segment INTEL
5000M	LTCOL SHARF 640-3161	U	25Jul79	CCC 1.07A	(ROC) Marine Integrated Fire & Air Support System (MIFASS) C ³
6011M	MR SPANGLER 640-2581	C	12Jun75	CCC 1.08R	(SOR) Intelligence Analysis Center of the MAGIS INTEL
9130M	MSGT BRUNI 640-3161	U	20Sep76	CCC 1.09	(ROC) Helicopter Command Control Communications Center C ³
9522M	CAPT LUCKE 640-3161	U	2Feb76	CCC 1.10	(ROC) Digital Wideband Transmission System (DWTS) C ³
9527M	MSGT BRUNI 640-3161	U	2Feb76	CCC 1.11	(ROC) Family of High Frequency Radios C ³
9631M	GYSGT PUHERA 640-3161	U	5Sep79	CCC 1.12A	(ROC) Solar Power Unit (SPU) C ³

9595M	CAPT LUCKE 640-3161	C	17Jun76	CCC 1.13	(ROC) Tactical Satellite Communications Terminals C ³
9659M	CAPT BROWN 640-3161	U	15Apr76	CCC 1.14	(ROC) Cable Ditcher/Trencher C ³
9350M	MAJ BUCKELEW 640-3334	U	15Nov76	CCC 1.15	(ROC) Source Data Automation MCDSA
9711A	GYSGT PUHERA 640-3161	U	3Nov76	CCC 1.17	(LR) Broadband Omni-directional VHF Antenna System C ³
9526M	LTCOL SWARTWOOD 640-3161	U	8Dec76	CCC 1.18	(ROC) Family of Ground-to-Air (UHF) Radios C ³
9260M	CAPT BROWN 640-3161	U	2Nov76	CCC 1.19	(ROC) Tactical Teletypewriter C ³
9722M	GYSGT PUHERA 640-3161	U	12Nov76	CCC 1.20	(ROC) Antenna Towers & Lightweight Deployable Masts C ³
9563M	MAJ MOORE 640-3161	U	22Feb77	CCC 1.21	(ROC) Improved Batteries C ³
9820M	LT DELECOURE 640-2645	U	7Aug78	CCC 1.22A	(ROC) Digital Communications Terminals, (DCT) C ³
9520.2M	MSGT BRUNI 640-3161	C	21Aug78	CCC 1.23A	(ROC) Manportable Radio Receiver Set C ³
9269M	CAPT BROWN 640-3161	U	16May77	CCC 1.24	(ROC) Automated Data Entry System (AMES) C ³
9655M	SSGT KOZLOSKI 640-3161	U	25Mar77	CCC 1.25	(ROC) Family of Improved Telephone Cable Distribution Equipment Circuit Monitoring and Restoration Equipment (ITC Family) C ³

9114M	CAPT LUCKE 640-3161	U	27May77	CCC 1.26	(ROC) Family of Single Channel Radio Central for FMF C ³
9524F	MSGT BRUNI 640-3161	U	23Dec77	CCC 1.27	(ROC) Tactical Frequency Management System (TFMS) C ³
2001M	MAJ MOHR 640-3161	U	25Jan78	CCC 1.28	(ROC) Tactical Air Operations Center-1985 (TAOC-85) C ³
9592F	MSGT BRUNI 640-3161	U	1Feb78	CCC 1.29	(ROC) Time Diversity Modems C ³
3000M	LTCOL COSSABOON U 640-3161		7Aug78	CCC 1.31	(ROC) Tactical Combat Operations C ³
3020.1M	LtCol BRONSON 640-3161	U	23Nov79	CCC 1.34	(ROC) Global Positioning System (GPS) FPWR
9952M	SSGT HARRISON 640-3161	U	31Jul79	CCC 1.35	(ROC) Radar, Mortar Locating, Ground Mobile and Helicopter Transportable C ³
9220M	CAPT BROWN 640-3161	U	4May67	CCC 8.1	(SOR) Lightweight Portable Facsimile System C ³
4015M	MAJ SMITH 640-3161	C	29Jul71	CCC 11.3	(SOR) Direct Air Support Center (DASC) C ³
9910M	MAJ SELIM 640-3161	C	17Feb66	CCC 11.6	(SOR) Lightweight Three Dimensional Ground Intercept Radar C ³
4040M	MAJ SMITH 640-3161	C	13Jun66	CCC 11.7	(SOR) Ground Control Flight Guidance Weapons Release System C ³
9915M	MAJ SELIM 640-3161	U	30Nov71	CCC 11.9	(SOR) Lightweight Air Traffic Control Radar C ³

9805M	LTCOL JOHNSON 640-3161	C	14May69	CCC 12.2	(SOR) Tactical Crypto Security Equipment (PORTABLE/MANPACK) C ³
4035.1N	MAJ MARSHALL 640-2006	U	12Jul73	CCC 34-22	(SOR) Marine Corps Air Traffic Control and Landing System (MATCALS) FPWR
4036M	MAJ MARSHALL 640-2006	U	21Dec71	CCC 34-26	(SOR) Marine Corps Remote Area Approach and Landing System (MRAALS) FPWR
					NBC
6011A	LT FITZGIBBONS 640-2136	U	3May77	NBC 1.01	(SDR) Liquid Agent Detector FPWR
3076A	LT FITZGIBBONS 640-2136	C	26May77	NBC 1.02A	(ROC) 8" Percutaneous Chemical Projectile FPWR
7015M	LT FITZGIBBONS 640-2136	U	8Jul77	NBC 1.03	(ROC) Expendable CB Protective Overgarment FPWR
7020A	LT FITZGIBBONS 640-2136	U	5Aug77	NBC 1.04	(SDR) Improved CB Protective Gloves FPWR
6020A	LT FITZGIBBONS 640-2136	U	22Aug77	NBC 1.05	(MN(ED)) Chemical Agent Detector Kit FPWR
2015A	LT STANLEY 640-2136	S	12Aug77	NBC 1.06	(ROC) Nuclear Projectile for an 8" Howitzer FPWR
7010A	LT FITZGIBBONS 640-2136	U	31Aug77	NBC 1.07	(ROC) Protective Mask FPWR
6003M	LT FITZGIBBONS 640-2136	U	13Sep77	NBC 1.08	(ROC) Automatic Chemical Alarm FPWR

6029A	LT FITZGIBBONS	C	3Apr78	NBC 1.09	(ROC) Biological Detector and Warning System FPWR
	640-2136				
2013M	LT STANLEY	S	21Jun68	NBC 1.3	(SOR) Improved 155mm Howitzer Nuclear Projectile FPWR
	640-2136				
3042M	LT FITZGIBBONS	U	15Sep65	NBC 2.2R	(SOR) Lethal Nonpersistent Chemical Anti-Personnel Agent FPWR
	640-2136				
8010M	LT FITZGIBBONS	U	12Nov64	NBC 4.6	(SOR) Noncorrosive Chemical Decontaminate FPWR
	640-2136				
6008J	LT FITZGIBBONS	C	1Nov78	NBC 0.00	(JSOR) Advanced Chemical Agent Detector/Alarm FPWR
	640-2136				

INTELLIGENCE

3001M	CAPT WHITESIDES	S	12Jul79	INT 1.01R	(SOR) Signal Intelligence Analysis System (SIAS) INTEL
	640-2581				
2021.1M	CAPT RONNER	U	19Mar75	INT 1.02	(ROC) Small Handheld Image Stabilization Device INTEL
	640-2581				
4000M	CAPT SCHNEIDER	S	25Jul75	INT 1.03	(ROC) Team-Portable Electronic Warfare Support Measures (ESM) Noncomm Detection System INTEL
	640-2581				
5121M	LT DOLEJS	U	8Oct75	INT 1.04	SOR Tactical Intrusion Detector (TID) INTEL
	640-2581				
5112M	CAPT RONNER	U	17May76	INT 1.05	(ROC) Lightweight Foliage-Penetration Battlefield Surveillance Device (FOLPEN BSD) INTEL
	640-2581				
5101M	LT DOLEJS	U	4Jan77	INT 1.06	(ROC) Tactical Remote Sensor System (TRSS) INTEL
	640-2581				
3200.1M	MGYSGT LIPPERT	S	4Feb80	INT 1.07A	(ROC) Airborne Radio Direction Finding System (ARDF) INTEL
	640-2581				

4133M	SSGT HARRISON 640-3161	U	27Dec76	INT 1.08	(ROC) Lightweight Battlefield Surveillance Device C ³
2022M	MAJ FOX 640-2581	U	9Jun76	INT 1.09A	(ROC) Inflatable Boat Small (IBS) and Silent Propulsion System INTEL
2021M	MGYSGT GIROUX 640-2581	U	7Mar77	INT 1.10	(ROC) Imagery Processing Segment (of MAGIS) INTEL
2330M	MAJ FOX 640-2581	U	17Mar77	INT 1.11	(ROC) Portable Inflatable Recompression Chamber INTEL
3141M	M. TAYLOR 640-2581	S	29Jul77	INT 1.12	(ROC) Communication & NonComm Emitter ID System INTEL
4140.1M	CAPT SCHNEIDER 640-2581	C	16Nov77	INT 1.13	(ROC) Battlefield Surveillance Radar Electronic Countermeasures System (BASE) INTEL
2115M	MAJ FOX 640-2581	U	30Oct77	INT 1.14	(ROC) Silenced Reconnaissance Weapon INTEL
3151M	CAPT SCHNEIDER 640-2581	C	21Feb78	INT 1.15	(ROC) Short Range Direction Finding (SRDF) System INTEL
4008M	LT JACKSON 640-2581	C	24Mar78	INT 1.16	(ROC) MarCor Electronic Warfare (EW) Simulation Suite INTEL
4130.2M	M. TAYLOR 640-2581	C	11May78	INT 1.17	(ROC) Expendable Jammers (EXJAM) INTEL
3103M	CAPT WHITESIDES 640-2581	C	12Jun78	INT 1.18	(ROC) Integrated Communication Collection System (ICCS) INTEL
2310M	MAJ FOX 640-2581	U	26Dec78	INT 1.19	(ROC) Waterproof Equipment Bag INTEL
6140M	CWO-4 HENDERSON 640-2581	U	30Oct78	INT 1.20	(ROC) Analytical Photo Positioning System (APPS) INTEL

2170.1M	MAJ FOX 640-2581	U	11Jan80	INT 1.21	(ROC) Military Free-Fall (MFF) Parachutes INTEL
1002M	CAPT WILDEGRUBE S 640-2581	S	DEC79	INT 1.22	(ROC) Counterintelligence, Technical Surveillance (TSCM) Countermeasures Equipment Suite INTEL
6110M	SSGT HARRISON 640-3161	C	5Dec68	INT 10.1	(SOR) Hostile Artillery Location C ³
FIREPOWER					
2019M	MAJ SMART 640-2136	C	8Dec76	AAS 1.01	(ROC) Mobile Surface-to-Air Missile System (MSAMS) FPWR
3010M	MGYSGT STONE 640-2136	S	11Aug67	AAS 3.1	(SOR) Lightweight Air Defense Weapon System (LADS) FPWR
4230A	MAJ REGAN 640-2136	C	20Sep71	CT-04X	(ADO) Lightweight Company Mortar System FPWR
2060M	MAJ REGAN 640-2136	C	13Dec68	CT 1.5R	(SOR) Machine Gun FPWR
5240M	CAPT MCNERNEY 640-2136	U	20Feb67	CT 2.01	(EDR) Improved Incendiary & Flame Agents FPWR
4020M	MAJ REGAN 640-2136	U	24Feb64	CT 2.4	(SOR) Medium Mortar FPWR
5040M	CAPT MCNERNEY 640-2136	U	30Jul65	CT 3.2	(SOR) Medium Assault/Anti-Tank Weapon (MAAW) FPWR
2075M	MAJ REGAN 640-2136	U	13Oct64	CT 4.1	(SOR) Small Arms Night Sight FPWR
5010M	CAPT MCNERNEY 640-2136	C	26Aug76	INS 1.01A	(ROC) MC Shoulder Launched Multi-Purpose Assault Weapon (SMAW) FPWR

5031A	CAPT MCNERNEY 640-2136	C	22Dec76	INS 1.02	(ROC) Solid State Track Link for TOW/TOW Cobra Wpn System FPWR
5231A	CAPT MCNERNEY 640-2136	C	22Feb78	INS 1.04	(ROC) Improved Light Antitank/Assault Weapon (ILAW) FPWR
1212A	CAPT RONNER 640-2581	U	1Mar78	INS 1.05	(ROC) Infrared Aiming Light INTEL
3002N	LTCOL BROWN 640-2006	C	12Apr77	SPA 0.00	(OR) Helicopter Night Vision System FPWR
3000M	LT CHATELAIN 640-2006	U	16 Feb79	SPA 0.01	(OR) Helicopter Aircrew Survivability Enhancement Program (HASEP) FPWR
6205N	Lt CHATELAIN 640-2006	U	18APR78	SPA 0.02	(OR) Expeditionary Aircraft Maintenance Hangar FPWR
5043M	MAJ MONTGOMERY 640-2136	U	22Sep75	SPA 1.01	(ROC) Main Battle Tank (MBT) FPWR
2414M	1ST LT COWART 640-2136	C	28May76	SPA 1.02	(ROC) Multi-Band Radar Beacon FPWR
1013M	CAPT MORGA 640-2136	C	19Mar79	SPA 1.03A	(ROC) Modular Universal Laser Equipment (MULE) FPWR
2222M	CAPT MORGA 640-2136	C	16Aug79	SPA 1.04A	(ROC) 8" Laser Homing Ordinance (LHO) FPWR
5042A	MAJ MONTGOMERY 640-2136	C	19Aug77	SPA 1.05	(ROC) Product Improvement for M-60 Series Vehicles FPWR
2121M	LTCOL SCHARF 640-3161	U	12Mar79	SPA 1.06	(ROC) Artillery Computer System C ³
2320A	LT FITZGIBBONS 640-2136	U	19Jun79	SPA 1.07	(ROC) Position & Azimuth Determining System FPWR

2520.1A	LT FITZGIBBONS 640-2136	U	28Mar80	SPA 1.08	(ROC) Field Artillery Meteorological Acquisition System FPWR
2110M	MAJ MCGRATH 640-2136	U	25Feb64	SPA 1.1	(SOR) Weapon, Direct Support, Towed, Artillery FPWR
MOBILITY					
3401M	MAJ MARSHALL 640-2006	U	17Aug72	MOB 1.04X	(ADO) Small Tactical Aerial Mobility Platform (STAMP) FPWR
5001M	CAPT RONNER 640-2528	U	28Mar77	MOB 1.07	(LR) Individual Night Vision Goggles INTEL
2401M	MAJ MONTGOMERY 640-2131	U	18Jul78	MOB 1.08	(ROC) Mobile Protected Weapons System (MPWS) FPWR
2023M	CAPT SCHUELLER 640-2245	U	17Jan 80	MOB 1.09	(ROC) Military Motorcycle M&L
2200M	COL TASHIJAN 640-2244	U	24Jul74	TM 2.1R	(SOR) Landing Force Assault Amphibious Personnel Carrier M&L
3200M	LT COL BROWN 640-2006	C	7Apr77	MOB 0.00	(OR) KCX Aircraft FPWR
MANPOWER					
4250M	LTCOL PROWDY 224-9085	U	10Nov77	TRG 1.02	(ROC) Laser Combat Engagement Simulation System HQM
4300M	LTCOL PROWDY 224-9085	U	6Apr78	TRG 1.03	(ROC) Universal Infantry Weapons Trainer HQM
5300M	LTCOL COSSABOON 640-316	U	9Apr79	TRG 1.04	(ROC) Tactical Warfare Analysis & Evaluation System (TWSEAS) C ³

DRAFT REQUIREMENTS

<u>DOCUMENT TYPE</u>	<u>SUBJECT</u>
ROC	Radar Beacon Air Controller Tgt Data Communicator
ROC	Detection of Low Flying Aircraft
ROC	Military Girder Bridging Equipment
LR	Glove, Flying, Extreme Cold Weather
ROC	Hostile Weapons Locating System
QMR	Medium Antitank/Assault Weapon
ROC	Lightweight Multipurpose Rocket Launcher (LMRIS)
ROC	Mini Remotely Piloted Vehicle (RPV) Target Acquisition/ Designation Aerial Recon System
ROC	Environmental Data
LOA	Container Lift Adapter
ROC	Family of Standard Tactical Electrical Equipment Racks
ROC	Electric Maintenance Complex
ROC	Catapult Launched Fuel Air Explosive
ROC	Electron Intelligence Support System
ROC	LVT(X)
ROC	Graphics Container Component for the Tactical Audio- visual Support System
LOA	Detector Kit for Waterborne Chemical Agents
LOA	Simplified Collective Protective Equipment
LR	Vehicle Mounted Decontamination Apparatus
LR	Amyl Nitrite Inhalant Ampule Training Development

PROPOSED REQUIREMENTS

<u>DOCUMENT TYPE</u>	<u>SUBJECT</u>
OR	Helicopter Skis/Landing Pads
ROC	2.75 Inch Rocket Multipurpose Submunition Warhead
OR	MHU-151 Small Munitions Trailer Adapter
OR	Visual Display System Device
SOR	Anti-Laser Goggles
OR	Net Radio Interface
DJSOR	Laser Guided Zuni
ROC	Radar System Remoting Device
OR	Airborne Equipment for Ground Controlled Bombing System

PROPOSED REQUIREMENTS (CONT'D)

<u>DOCUMENT TYPE</u>	<u>SUBJECT</u>
ROC	Family of Small Arms
OR	Helo .50 Caliber Machinegun Mounting Adapter
OR	Marine Medium Assault VTOL A/C (HMX)
DPROC	Improvement 81mm Mortar
OR	Improved Helo Fire Control System (HFCS)
ROC	Marine Integrated Personnel System
OR	Laser Eye Protection
ROC	Floodlight Set
OR	Combat Support Transport (CST)
OR	Advanced Vector-Thrust V/STOL
OR	Standoff Laser Optical Weapons System (SLOWS)
OR	Tanker Aircraft to Accommodate Helo Aerial Refueling
OR	Emergency Locator Transmitter
MN	105mm Howitzer Towed
OR	Marine Light Observation Surveillance A/C
OR	Air-to-Ground Data Link for SLAR and Imagery Recon System
OR	Digital Data Link Between ECM/ESM/AC TERPES
OR	Aircrew Chemical and Biological Defense
LOA	2.75 Inch Rocket Chaff Warhead
ROC	Surface Navigation and Orientation Trainer
ROC	Field Laundry Unit
ROC	Combined Field Laundry and Bath Unit
ROC	Auxiliary Mover M198 Howitzer
ROC	Laser Acquisition Device
JROC	Personal Defense Weapon, Standard Service Side Arm
LOA	Air Crew Clothing System, Cold Weather
LR	Cleaner Steam and High Pressure, Hot and Cold Water, Wheel Mounted
ROC	Clothing System, Ground Combat Vehicle Crewman
ROC	Battle Dress Uniform System
DPOR	AN/USM-410 Automatic Test Equipment Facility

MISSION ELEMENT NEED STATEMENT
(MENS)

<u>FILE #</u>	<u>DATE</u>	<u>TYPE</u>	<u>SUBJECT</u>
AAS 2019M	16 Jan 79	MENS	Mobile Surface-to-Air Missile System
CCC 5031A	23 Aug 79	DMENS	Advanced Field Artillery Tactical Data Sys.
CCC 9431A	8 Apr 80	MENS	Mobile Subscriber Equipment
INT 5124A	8 Aug 79	MENS	Remotely Piloted Vehicles
LGS 2313.1M	26 Jun 79	JMENS	High Mobility Multipurpose Wheeled Vehicle
LGS 3110.3A	6 Aug 79	DMENS	Family of Automated Test Support Systems
MOB 2002.2M	6 Oct 78	MENS	Amphibious Warfare Close Combat Direct/Fire Support System
MOB 2331.1P	20 Oct 78	DMENS	Combat Rescue Replacement Vehicle
MOB 2401M	18 Oct 78	MENS	Mobile Protected Weapon System
MOB 2410N	14 Aug 79	DMENS	Amphibious Warfare Surface Assault
SPA 2005A	5 Mar 79	DMENS	Field Artillery Weapons System
SPA 2006A	4 May 79	DMENS	Corps Support Weapon System
SPA 2702A	31 Dec 79	DMENS	Terminal Homing Munitions
SPA 3142.1M	21 Nov 79	PMENS	Marine Medium Assault Transport Aircraft (V/HXM)
SPA 3155F	10 Oct 79	MENS	Enhanced Tactical Fighter

SECTION IV
LIST OF INTERSERVICE HARMONIZATION REQUIREMENTS DOCUMENTS

Harmonization of Other Service Requirements Documents

1. Requirements documents of other services (Army ROC, Air Force ROC, and Navy R&D Plan/Operational Requirement (OR)) are reviewed to determine their potential to satisfy Marine Corps materiel requirements. When such operational requirements documents adequately reflect a Marine Corps requirement (with or without modification) they can be stated as official Marine Corps operational requirements documents. All subsequent changes in these documents or in the related Marine Corps requirements must be carefully reviewed to assure that acceptability of the other service's stated requirement is not nullified.

2. Other services' requirements documents are normally forwarded to CMC (Code RD) and the CG, MCDEC for interservice harmonization. The CG, MCDEC is responsible for preparing and submitting to CMC (Code RD) a recommended Marine Corps position on documents forwarded for harmonization, including a recommendation whether the document should be promulgated as a Marine Corps ROC. In addition, it may be appropriate in the response to declare "official interest" in the other service acquisition program.

3. The following list contains all documents forwarded by other services for harmonization, for which the Marine Corps has declared an interest. The list also contains a brief description of the Marine Corps position in connection with the project.

HARMONIZATION - LOGISTICS (AUG 1980)
ARMY DOCUMENTS

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
LGS2005A	1675	ROC	Decentralized Automated Services Support System (DAS)	12Nov76 monitor	RDD-22-qdb 15Nov76 monitor
LGS2006A	1501R	LR	Chart/Overlay Copier	22Apr77 continue to monitor	RDD-24-kmp 26May77 actively monitor
LGS2007A	1502R	LR	Tactical Document Copier	21Jun77 monitor	No response
LGS2008A	33826	LOA	Quick Response Multicolor Printer (QRMP)	18OCT79 monitor	RDD-24-mrc 19Nov79 monitor for application to future MC ROC
LGS2045A	23137	LOA	Manportable Smoke/Obscurant Generator System	16Aug79 monitor closely	RDD-25-mrc 16Jan80 monitor
LGS2050A		DLOA	Clothing and Equipment System, Cold Weather, for the Ground Soldier	no action to date	
LGS2100A		DROC	Family of Electric Counters	11Jan78 monitor	No response
LGS2120A	1652	ROC	Container, Refrigerated 20-foot	4Mar76 Participate in Development	No response
LGS2139A	24259	DLR	Standard M-60 Weapons Rack	16Mar79 monitor closely	RDD-24-mrc 2Apr79 monitor this development
LGS2201.1A	61156	LOA	Combat Vehicle Crewman Micro-climate Cooling System	No Action	
LGS2213A		DROC	Combat Footwear	20Mar79 adopt submit LOI	RDU-24-mrc 2Apr79 MC adopt upon approval of ROC by DDA
LGS2216A	36610	LR	Boot, Combat, Mountain and Ski Ski	10Aug78	

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
LGS2218A		DLR	Vest, Cold weather	no action to date	
LGS2219A	1444	ROC	Crampon for Army use in Mountain Operations	No Action	
LGS2220A	1441	ROC	Snowshoe Binding for Army Use	No Action	
LGS2280A		DLR	Shirt, Underwear, Ladder Weave	No action to date	
LGS2301A	1606A	LOA	Armored Combat Logistics Support Vehicle ACLSV) Family	24Aug78 monitor	RDD-24-mrc 22Sep78 MC desires to monitor
LGS2313.1A		JMENS	High Mobility Multipurpose Wheeled Vehicle	2Jul79 approve	CMC msg 191010Z Jul79 HQ concurs with subject JMENS
LGS2314A		DLR	Improved Insulated Canteen for use in Cold Regions	17May79 should participate	RDD-24-mrc 5Jun79 MC desires to participate actively in development
LGS2320A	31282	LR	Lightweight, Inconspicuous Body Armor	No action	
LGS2321A	1412b	DMN	Personnel Armor System for Ground Troops	17Jul75 adopt	RDD-27-mrc 27Jul76 Adopt
LGS2322A	47133	LOA	Mechanized Sandbag Filler and Sealer (MECHSFILS)	3Jul78 monitor	No response on file.
LGS2342A	0646	ROC	Self-Contained Underwater Breathing Apparatus (SCUBA)	1Mar74 monitor	No response
LGS3012A	23106	DLR	Tool Set, Advanced Electronic repair	28Jun76 monitor	No reponse
LGS3110.3A	22358	MENS	Family of Automated Test Support Systems	20Sep79 monitor	No response

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
LGS3135A	1657	ROC	Hydraulic Test and Repair Unit, Mobile	23Jul74 adopt	No response
LGS3150A		ROC	Electrokinetic Fuel Decontami- nator	19Sep77 monitor	RDD 23NOV77 Adopt
LGS3151A	1669	PROC	Fuel Contamination Test Kit	22Apr75 Adopt	No response
LGS4103A		LR	X-Ray probe for the Alpha Monitoring and Survey Meters AN/PDR-50 (F)	24Aug79 monitor	RDD-25-mrc 31Dec79 monitor
LGS4110A	1412A	LOA	Adenovirus 21 Vaccine	3-Apr80 monitor/ participate	norsponse
LGS4113A	1604R	LR	Environmental Protection Con- tainer for Medical Supplies	29Mar77 monitor	RDD-24-kmp 29Apr77 monitor through (NMRDC)
LGS4119A		DLR	Delousing Outfit Power Driven for evaluation/ monitor	11Oct79 Forward to NNMC	RDD-24-mrc 23Oct79 monitor this development
LGS4120A		DLOA	Antimalarial drugs	20Nov79 no objection	RDD-24-mrc 5Dec79 monitorw/NRDC, Bethesda, Md.
LGS4121A	1407A	LOA	Family of Medical Equipment Protective Containers	13Mar79 closely monitor	RDD-24-mrc 30Mar79 monitor through (NMRDC)
LGS4121.1A	1421R	LR	Case surgical Instrument	No action to date	
LGS4122A	1405A	LOA	Integrated Pest Management Program Against Mosquitoes		RDD-24-mrc 30Mar79 monitor
LGS4122.1A	1408A	LOA	Insecticide Dispersal Unit, ULV Portable	29Aug79 monitor	RDD-24-mrc 23May80 monitor
LGS4122.5A	1404A	LR	Pesticide dispersal Unit, Backpack, Portable	no action to date	
LGS4123.2A		LR	Field Dental X-Ray Apparatus	no action to date	

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
LGS4122.2A		DLR	Aerosol Generator, ULV, Skid Mounted	2Aug79 monitor	RDD-24-mrc 14Aug79 monitor
LGS4122.4A		DLOA	ULV Dispersal Unit Evaluation for Evaluation/Monitor	17Oct79 Forward to NNMC	RDD-24-mrc 24Oct79 monitor this development
LGS4123A	1415R	LR	Low Capacity Radiographic System for Field Use	1May78 monitor	No response
LGS4123.1A	1402A	LOA	Field Clinical Analysis System	10Apr78 monitor	No response
LGS4124A	1213R	LR	Helicopter Slung Pesticide Dispersal Unit	10May78 monitor	No response
LGS4125A	1403A	LOA	Light Trap, Portable AC/DC Powered	24Aug78 monitor	No response
LGS4126A	1425R	LR	High--Capacity Radiographic System for Field Use	2Jul79 monitor	monitor
LGS4127A		LR	Trap, Mosquito, Light, Collapsible	29Aug79 monitor	No response
LGS4153.1A	1423R	LR	Chair and Stool Unit, Dental Operating Field	23Oct78 monitor	monitor
LGS4155A	1405R	LR	Emergency Sterilizer	14Dec76 monitor	No response
LGS4155.1A	1419R	LR	Ethylene Oxide Sterilization (EOS) System	3Jan79 monitor	RDD-24-drz 31Jan79 No interest
LGS4155.2A	1420R	LR	Steam Vacuum Pulse Sterilizer (SVP) System	23Feb79 adopt/submit LOI	RDD-24-mrc 22Mar79 closely monitor/adopt LR as MC ROC
LGS4165A	0149D	LR	Extractor, Medical Oxygen System, Individual Patient	17Feb79 Adopt/LOI	No response
LGS4170A		LR	Spineboards (Long and Short)	28Dec79 monitor	RDD-24-mrc 15Jan80 monitor with NMRDC

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS	
GS4171A	1417R	LR	Cold Injury Rapid Rewarm System	16Jun78 monitor		No response on file
GS4181A	1416R	LR	Heated Patient Holding & Evacuation System	16Jun78 monitor		No response
GS6000A	1665	ROC	Truck, Tractor, Yard-Type	14Apr75 monitor	RDD-26-mrc 29May75	monitor
GS6100.1A	44056	LR	Semitrailer, 5,000 Gallon, Petroleum and Water Dist.	5Jan78 monitor		No response
GS6102A	1667	ROC	Medium Mobile Container Crane	No Action		
GS6102.1A	1668	ROC	Changes for a Heavy Mobile Container Crane	No Action		
GS6104.1A	21300	ROC	Compressor, Air, 750 CFM, 100 PSI, Trailer Mounted, Diesel Engine Driven, Commercial Construction Equip. (CCE)	1Dec75	Actively monitor RDD-24-GDB 29Jan76	monitor
GS6131A	0653	ROC	Crushing, Screening, and Washing Plant (CCE)	6Jun75 monitor/LOI		No response
GS6132A	21307	PROC	Truck, Quarry, Off-Highway	5Nov75 monitor	RDD-24-nlm 14Jan76	monitor
GS6166A	1606R	LR	Welding Shop, Trailer-Mounted (MACE)	6Oct78 no	RDD-24-kmp 20Oct78	monitor for development of possible ancillary equipment
GS6219A	1503A	LOA	Remote Automatic Weather Station (RAWS)	28Feb77 monitor		No response
GS6220A	51265	LR	Forward Area Water Point Supply System	17Apr80 monitor		
GS6222A	1676	ROC	Tactical Water Distribution System (TWDS)	9May77 monitor	RDD-24-gdb 10Jun77	monitor
GS6232A	1604A	LR	Bulk Fuel Tank Assembly-Self Supporting	no action on file		

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
LGS6233.2A	53531	LOA	Petroleum Hoseline System	17Sep79 Monitor	RDD-24-mrc 27Sep79 monitor
LGS6236A	51140	LOA	Fire Resistant Fuel and Equip- ment Systems for Combat Vehicles	28Feb80 closely monitor	
LGS6239A		ROC	Pipeline Outfit, Petroleum	18Oct79 monitor	RDD-24-mrc 23Oct79 does not desire to participate nor monitor
LGS6240A	636D	QMR	Family of Military Design Electric Power Plants	14May70 monitor	No response
LGS6240.3A	21275	LOA	Family of Military Electric Power Conditioners (PC)	24May79 monitor	RDD-24-mrc 22Jun79 closely monitor
LGS6243A	0652	ROC	Family of Silent Lightweight Electric Energy Plants (SLEEP)	30Jul75 monitor	No response
LGS6304A	0600A	LOA	Investigation of a System of Bridges for 1985 and beyond	12May76 actively monitor	No response on file
LGS6305A	16083	PROC	Barge, Knockdown, Readily Deployable	20Sep76 monitor	RDD-22-mrc 19Oct75 monitor
LGS6355A	0658	PROC	Ribbon Bridge Erection Boat	14Mar75 closely monitor	No response
LGS6395A	38653	DLOA	Tactical Bridge Access/Egress System	20Apr79 monitor	No response
LGS6501A	21810	DLR	Safety Carrying Container for Electric Blasting Caps	19Feb76 monitor	No response
LGS6502A	21992	PROC	Multi-Purpose Firing Device	3Feb75 Adopt	No response
LGS6503A	21811	DLR	Millisecond (MS) Delay Detonat- ing Devices	12Feb76 actively monitor	No response on file
LGS6511A	16565	DLR	Bulk Explosive System	20Oct75 monitor	RDD-24-gdb 8Jan76 monitor

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
LGS6520A	1600R	LR	Portable Ordnance Locator for Explosive Ordnance Disposal Units	19Sep75 monitor	No response
LGS6540A		ROC	Portable X-Ray Set for EOD Units	6June75 monitor	RDD-25-mdl 6Jun75
LGS6549A	1601R	DLR	(C)--Cryogenic System for EOD Units	19Aug75 continued participation	RDD-24-mrc 6Jan76 MC continued participation
LGS6551A	1414R	LR	Body Armor for Explosive Ordnance Disposal	17Mar78 monitor	No response
LGS 6560A		LR	fiberscope For EOD	30Apr80- Procure	No response
LGS6651A	0660	PROC	Surface Launched Unit, Fuel Air Explosive Mine Neutralization System	7Mar75 joint development	No response
LGS6651J	0613A (01)	JSOR	(C)--Air Delivered Antipersonnel and Antivehicle Target Actuated Munition System	16Jul74 concurrence	No response
LGS6652.1A	38581	LOA	Off Route Antitank Mine System	4Jun79 monitor	27Sep79 RDD-25-mrc monitor
LGS6658A	0654	ROC	Rapidly Emplaceable Minefield Marking System	12Apr74 monitor	No response
LGS6659A	23759	ROC	(C)--Modular PackMine System (MOPMS) *Note: Listed as LOA 0602A in cards	14Sep77 closely monitor	RDD-24-mrc 5Dec77 closely monitor
LGS6662A	0638a	NMED	(c) Artillery delivered Anti-vehicle/Tank Mine System Types A & B	No action to date	
LGS6747A	0606A	LOA	Portable Mine Neutralization System (POMINS)	25Aug78 closely monitor	No response
LGS6755.1A		LOA	Spray Fuel/Air Explosive (SPRAYFAE) System	1Feb79 adopt	No response on file

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
LGS6802A		DLR	Tent, Extendable, Modular, Personnel (TEMPER) for General Purpose Use	6Jul79 closely monitor	RDD-24-mrc 19Jul79 closely monitor
LGS 6869A	58348	LOA	Arm, Hardened Shelter Program	No action to date	
LGS6870A	1658	ROC	Family of Standard Rigid Wall Shelters System	8Feb80 monitor	No response
LGS6910A	1639A (01)	ROC	Truck, Lift, Fork, Front Loader, 50,000 Pound Capacity with Top Lift Attachments	23Apr75 monitor	No response
LGS6910.1A	0641	ROC	15,000 lb Rough Terrain Fork- lift Truck	22Feb64 closely monitor	No response
LGS6911.1A	20177	ROC	Container Handler, Front Loader Rough Terrain, 50,000 Pound Capacity	11Jul78 monitor	No response
LGS7050A	69g(3)	SDR	Lightweight Camouflage Screening System	23Aug76 Adopt	No response
LGS9126A	0900R	LR	High Altitude Airdrop Resupply System	27May77 actively monitor	RDD-22-mrc 21Jun77 monitor
LGS9127A	0901A	LOA	Ultra High Level Container Airdrop System (UHLCADS)	27May77 monitor	RDD-22-gdb 21Jun77 monitor
LGS9128A	23101	LOA	Reduction of Heavy Drop Extraction Time	27May77 monitor	RDD-22-mrc 21Jun77 monitor
LGS9155A	45288	JSOR	High Speed Aerial Delivery Container, CTU-2A	23Feb79 adopt/ participate in	RDD-28-mrc 30Mar79 concurs in Draft JSOR
LGS9160A	0940	ROC	Platform, Assemblage, Airdrop		RDD-22-mrc 15Feb74 monitor
LGS9165A		DLR	Interim Ramp Bundle Airdrop System (WEDGE)	6Aug79 monitor only	RDD-24-mrc 30Aug79 monitor

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
LGS9315A		DLOA	Transportable Helicopter Enclosure (THE)	17Jul79 monitor closely	
LGS9400F		ROC	Arctic Extreme Cold Weather Flying Coverall	8Mar77 adopt participate in	No response
LGS9400.1A 1418R		LR	Cold Weather Aircraft Survival Kit Sleeping Bag	4May78 monitor closely	RDD-24-kmp 12Sep77 monitor development/participate in test
LGS9420A		DLR	Insert, 12.7mm Armor Piercing Small Arms Protective Torso Armor	20Apr79 monitor only	RDD-22-mrc 3Jul79 monitor
LGS9440A		DLR	Handwear, POL Protective, Cold Weather	20Jul79 monitor	RDD-24-mrc 3Aug79 monitor closely
LGS 9640F		ROC	Low Altitude Warning System	8 July 76 monitor	no response
LGS9720A	22057	ROC	Aviation Fuel Contamination Kit	23Oct79 adopt	RDD-24-mrc 9Nov79 monitor
LGS9947A	46177	LR	Shop Set, CF ₃ Br Fire Extinguisher Servicing	7Aug78 monitor closely	RDD-24-kap 1Sep78 monito closely
HARMONIZATION - LOGISTICS AIR FORCE DOCUMENTS					
LGS6581F		ROC	(C)--Improved Mechanical Fuze SAC ROC 7-75	17Nov75 monitor	No response
HARMONIZATION - MOBILITY ARMY DOCUMENTS					
MOB2022A	1603E	LR	Roll-Over Protection (ROP) Equipment for the GOER Series of Vehicles	11Feb77 monitor	No response onfile
MOB2041A		LOA	8-10 Ton Expanded Mobility Tactical Truck (EMTT)	29Jan79 monitor	No response

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIF OF LETT	ACTION AND DATE INSTRUCTIONS
MOB2042A		PROC	Heavy Expanded Mobility Tactical Truck (HEMTT)	15Feb79 monitor		No response
MOB2110A		MN	(C) Infantry Fighting Vehicle/ Calvary Fighting Vehicle	29Jan80 monitor	no response	
MOB2110.1A	0306R	LR	Combat Vehicle Heading Refer- ence Unit (CV-HRU)	19Sep77 monitor/LOI not advised		No response
MOB2132A	0404A	LOA	Forward Observer Vehicle (FOV) Kit	10Aug76 monitor		No response
MOB2300.1A	29950	DROC	Commercial Utility Vehicle	3Nov78 monitor	RDD-24-mrc	27Nov78 monitor
MOB2316A	1656	ROC	Semitrailer, Dual Purpose BB/ container Transport	29Jan80 monitor		
MOB2317A	N/A	unsoli	M109 Ammunition Delivery System propos (M109-RDS)	13Nov79 Closely monitor		No response
MOB2319A		PROC	Heavy Expanded Mobility Ammuni- tion Trailer (HEMAT)	1FEB80 monitor	RDD-24-mrc	7Apr80 monitor
MOB2326A	1654	ROC	Semitrailer Tank-5,000 gallon, Bulk Haul, Fuel Servicing	5Nov74 monitor/view at at acquisition		No response
MOB2328A	0600R	LR	Trailer, 15-Ton, Engineer Equipment Transporter, Commercial Construction Equipment	14Nov75 LOI/joint program	RDD-24-gdb	5Feb76 MC desires to monitor/establis a joint committee
MOB2405A	16616	ROC	Air Cushion Vehicle, 25-30 Ton Capacity	20Mar75 monitor	RDD-24-lh	30Jul75 monitor
MOB5002A	1645	ROC	Portable, Extreme Cold Temp, Vehicle engine/Personnel heater	no action to date		
MOB6010A	1671	ROC	Truck Tractor Line Haul/Equip- ment Transporter Commercial Substitute	4Feb76 monitor/LOI		No response on file

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FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
MOB6011A	1672	ROC	Truck Tractor (6x6) Heavy Equip- ment Transporter, Commercial Substitute (C-HET)	23Jan76 monitor/LOI	No response
MOB6012A	1603	LOA	Small Unit Support Vehicle (SUSV)	6Nov78 monitor	RDD-24-mrc 22Nov78 monitor
HARMONIZATION - MOBILITY AIR FORCE DOCUMENTS					
MOB2331.1F		DMENS	(C)--Combat Rescue Replacement	15Nov78 monitor	No response
HARMONIZATION - COMMAND, CONTROL AND COMMUNICATIONS ARMY DOCUMENTS					
CCC3020A	0810A	LOA	Position Location Reporting System (PLRS)/Joint Tactical Information Distribution System (J-TIDS) Hybrid	24Aug monitor	RDD-27-79 12Sep79 monitor
CCC3022A	41682	LOA	Airborne Target Handoff System (ATHS)	6Dec79 monitor/LOI	RDD-22-mrc 22Jan80 monitor
CCC4025A	0808A	LOA	Optical Cable Transmission Systems (OCTS)	17Aug77 adoption	No response
CCC4030A	0807A	LOA	Tactical Computer System (TCS)	9Feb77 monitor	RDD-22A-gdb 8Mar77 monitor
CCC5021A	806A	LOA	Interactive Computer Presenta- tion Panel (ICPP)	6Dec76 closely monitor	No response
CCC5031A		MENS	(C)--Advanced Field Artillery Tactical Data System (MENS)	16Nov79 monitor	
CCC6013A	0603A	LOA	Army Terrain Information System (ARTINS)	4Apr77 monitor	RDD-28-kmp 28Apr77 monitor
CCC6200A	22739	ROC	(C) AN/TSQ-114 Detection System, 12 Feb80 Special Purpose	Satisfied by INT 1.18	no response

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
CCC8000A	23370	ROC	(C) Tactical High Speed Forward Area Key Generator TSEC/KG43	No action to date	
CCC9101.1A	0870	ROC	Standard Fixed Station Tele- Typewriter Equipment	30Aug77 monitor	No response
CCC 9211F	(10- 75)	ROC	Digital Non-Secure Voice Terminal	24 Dec 75	monitor RDD-27-mrc 9 Sep75 participate
CCC 9212J	0867	JSOR	(C)--Advanced Narrowband Digital Voice Terminal		
CCC9222A	0858	ROC	High Speed Wideband Facsimile Terminals	28Jan74 monitor	RDD-27-mrc 12Feb74 monitor
CCC9241A	0553	ROC	Mohawk Data Transmission System SLAR (MODAT-SLAR)	No Action	
C 9269A		DROC	Interim Automatic Staff Message Processing System (ASMPS)	28Sep79 monitor	RDD-27-mrc 9Nov79 monitor
CCC9350A	0839 G(12)	DPMN (ED)	High Speed Serial Data Buffer	No Action	
CCC9370A	0839G (14)	DPMN (ED)	Time Digital Multiplexer (TDUM)	No Action	
CCC9431A	20817	DROC	Mobile Subscriber Equipment (MSE)	14Dec76 monitor	No response
CCC9511A	22213	PROC	Nap-of-the-Earth Communications *Note: Listed also as LOA 0804A	11Jul78 closely monitor	RDD-27-mrc 22Sep78 monitor
CCC9514A	0855	ROC	VHF/FM Portion of the Single Channel Radio Communications Subsystem (SINCCARS)	23May75 monitor	RDD-27-mdl 20May75 monitor
CCC9517A		DROC	VHF Transceiver Multiplexer	Actively monitor	no response

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
CCC9531A	0804R	DLR	Portable UHF/AM Transceiver	29Mar77 monitor	No response
CCC9709A		DLR	Directional Antennas	no response	
CCC9547A	0839F (29)	PMN (ED)	250 Watt Amplifier for Radio Set AN/GRC-103	9Nov72 no objection	No response
CCC9596A	0809A	LOA	(C)--Tactical Satellite Communi- cations Vehicular Terminal (TSCVT)	4Apr79 adopt/ participate	No response
CCC9721A	0805A	DPLR	Rapid-Erecting, 10-30 Meter Tactical Antenna Mast System	15Mar76 monitor	RDD-27-gdb 6Apr76 monitor
CCC9761A	0801R	LR	Foreshortened VHF Vehicular Antenna System	9Jul76 monitor	No response
CCC9810A	0839G (ED)	DPMN	Tactical Narrowband Secure Voice Device	No Action	
CCC9870A	0839 (G)11	MNED	(C)--Small Tactical Wideband Security Applique Unit (VINSON)	LOI not Required	
CCC9877A	0842	ROC	Monitoring Set, Telephone AN/TTR-1A	No Action	
CCC9917A	45305	LR	Multifunction Radar Transponder Beacon	24Aug79 closely monitor	No response
AIR FORCE - DOCUMENTS					
CCC9273J		JROC	Modular Record Traffic Terminal (MRTT) Equipment (USAF 12-75) *Note: Listed in cards as 0871 JOR	2Jan76 participate	RDD-27-mrc 5Jan76 comments submitted for consideration
CCC9591F		ROC	(C)--Satellite/Airborne Communi- cations Relay	23May75 join in development	RDD-27-mdl 30May75 monitor

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
CCC9800F		ROC	(C)--Standard Secure Tele- metry System	14Nov75 monitor	No response

HARMONIZATION - MANPOWER

MPR3300A	0307A	TDLOA	Armor Remoted Target System ARETS	13MAY80 monitor	no response
MPR3501A	0307R	TDLR	Mounting Kit, for Trainer, Tank gunnery - Laser	16May80 no action require	
MPR3600A		TDR	Caliber .22 Rimfire Adapter for the M16A1 Rifle	8Nov76 monitor	No response
MPR4200A	35675	LR	Diagnostic Rifle Marksmanship Simulator (DRIMS)	6Dec78 monitor	No response
MPR7100A	0040	TDR	Weapon Station Trainer for MICV-70	23Sep70 monitor	No response

HARMONIZATION - INTELLIGENCE ARMY DOCUMENTS

INT2021A	08488	ROC	Camera System, Still Picture, Small Format, Single Lens Reflex	17Nov75 monitor/ participate in	No response
INT2130A	0902A	LOA	Bundle Delivery System	25Aug78 monitor	No response
INT2171M	1300A	LOA	Stored Parachute System for Personnel and Accompanying Bundles	11Oct77 monitor	No response
INT2172A	23100	LOA	(C) Drop Zone Assembly Aids System	No action to date	
INT3001.1M	0807R	LR	USASA C&P Company Communica- tions Facility (COMFAC) AN/TSC (-)	13Sep77 monitor	No response
INT3121A	1539C (49)	ROC	(C)--Ground Emitter Location Identification System (GELIS-HIGH) (AGTELIS)	15Feb79 monitor	RDD-28-mrc 28Mar79 monitor

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
INT3160A		LOA	Determination of Temperature and Wind Based on Meteorological Satellite Data for Fallout (SATFAL)	6Dec76 monitor	RDD-22-kmp 21Jan77 monitor
INT4105A	24295	DROC	Steerable Null Antenna Pro- cessor (SNAP-I)	18Jul78 monitor	RDD-27-mrc 18Aug78 monitor
INT5100A	1512B (22)	ROC	Remotely Monitored Battlefield Sensor System (REMBASS)	11Jul79 continue to monitor	RDD-28-mrc 17Aug79 continue to monitor obligated some development funds
INT5124A		MENS	(C) RPV	no action ;to date	
INT6001A	1546	ROC	(C)--Standoff Target Acquisi- tion System (SOTAS)	5Sep78 monitor	RDD-22-mrc 5Jan79 monitor
INT7000A	0504	TDLR	Chaparral IFF Training Device	No Action	
INT7000.1A	23366	OCO	(C)--Battlefield Identification Friend or Foe, Forward Combat Zones (Grnd-Grnd and Air-Grnd)	11Sep75 monitor	RDD-22-mrc 10Oct75 monitor
INT8032A	42574	LOA	Tunnel Detection System (TUDS)	16Oct79 closely monitor	RDD-28-mrc 7 Nov79 monitor
AIR FORCE DOCUMENTS					
INT4210.1F		ROC	(C)--Tactical Aircraft Infrared Countermeasures	21Jul75 should JSOR	RDD-22-mdl 22Aug75 monitor/recommend adoption JSOR
INT4215F		ROC	(C)--Sleuable Electro-Optical Reconnaissance Sensor	29Jul74 adopt	No response
INT4222F		ROC	Covert Night Reconnaissance Sensor	23May74 adopt	No response
HARMONIZATION - FIRE POWER ARMY DOCUMENTS					
SPA1013A		LOA	Azimuth Measuring Device (AMD)	31Jan80 monitor/LOI	No response

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
SPA1016A	0203R	LR	Carrier, Rifle Ammunition	18Apr77 monitor	RDD-24-gdb 3May77 monitor
SPA1017A	24259	DLR	Standard Weapons Container	24Jun77 closely monitor	RDD-24-gdb 17Aug77 closely monitor
SPA2006A		DMENS	(C)--Corps Support Weapon System (CSWS)	11Jul79 participate in study group	No response on file
SPA2030A	0556	ROC	(C)--Improved Fire Control Sub-system for the AH-1 Helicopter	3Jun76 change/adopt	RDD-22-mrc 19Jul76 Change to meet MC requirements
SPA2041A	1200A	LOA	2.75 White Phosphorus (WP)/Smoke Concept	No Action	
SPA2051A	0407A	LOA	Field Artillery Acoustic Locating System (FAALS)	10Dec76 monitor	No response
SPA2052A	0401R	LR	Field Artillery Muzzle Velocity Radar	21May76 adopt	No response
SPA2121A	36808	LR	Programmable Handheld Calculator (PHHC)	30Jul79 closely monitor	RDD-24-kmp 20Aug79 closely monitor
SPA2125A		LOA	(C)--Anti-Radiation Projectile (ARP)	9May79 comments	RDD-26-mrc 13Jul79 comments
SP .130A	0436 a(10)	QMR	Improved Armament for Howitzer, 8 Inch Self Propelled, M110	No Action	
SPA2165A	0401A	LOA	(C)--General Support Rocket System (GSRS)	26Nov75 monitor	No response
SPA2173A	16906	LR	Mortar Fire Control Calculator (MFCC)	21Jul78 adopt	No response
SPA2210A	23904	ROC	Beehive Electronic Time Fuze for the M68 Cannon, 105mm, Beehive Projectile	23Jan76 monitor	No response

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
SPA2213	0304	ROC	(C)--Cartridge, 105mm, Armor Piercing, Fin-Stabilized, XM 715	8Apr76 monitor/ participate in	No response
SPA2214A	0355 0300A	ROC LOA	(C)--Cartridge, 105mm, Armor Piercing, Fin Stabilized, XM 774 *Note: Also listed as LOA 0300A	18Dec78 continue monitoring	No response
SPA2215A	0411A	LOA	(C)--Cartridge, 105 XM Heat *Note: also listed as SDR 0048E (01)	7Oct76 continue monitoring	No response
SPA2216A		PLOA	Cartridge, 105mm, APFS ST, XM833	16Feb79 submit LOI	RDD-26-mrc 30Mar79 actively monitor
SPA 2005A		MENS	(C) Field Artillery Weapons system	19Apr79	monitor no response participate in Dev
SPA2113A		LOA	(C) Dual Purpose Weapon System	no action to date	
SPA2115A	0405A	LOA	(C) Investigation fo Technical Feasibility and Operational Desirability of an 8" HE Projectile	15Sep76 currently monitoring	no response
SPA2217A		DROC	Cartridge, 105mm APFT ST, XM 797		
SPA2120A	436a (11)	MNED	155mm Howitzer	20Jun77 monitor	no response
SPA 2221A		LOA	(C) Sense and Destroy Armor (SADARM) Artillery Munitions	no action to date	
SPA2225.1A	0559	ROC	(C)--2.75 Inch Rocket Illumina- tion Warhead	11Nov76 monitor	RDD-22-gdb 24Jan77 monitor
SPA2225.3A	0558	ROC	(C)--2.75 Inch Rocket Smoke Warhead	19Oct76 actively monitor	RDD-22-gdb 24Jan77 monitor

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
SPA2226.1A	0448	ROC	Projectile, 155mm Screening Smoke	18Dec78 monitor	RDD-26-mrc 30Mar79 monitor
SPA2230A	438b (3)	MN (ED)	Rocket Assisted Projected (RAP)	No Action	
SPA2232A	0443	ROC	(C)--Proximity Fuze for Artillery Ammo	20Mar75 adopt	No response
SPA2236A	0406A	LOA	(C)--Artillery Delivered Multi- purpose Submunition (ARDEMS)	70Oct76 monitor	No response on file
SPA2296A	0444	ROC	(C) Mid-Term Mononuclear Warhead Section for LANCE Missile System	No action to date	
SPA2412A	02396 (03)	MN	(C)--Hand-Held Laser Rangefinder	19Nov76 adopt	No response
SPA2425A	0241	ROC	(C)--Lightweight Laser Designa- tor (LWLD)	16Sep75 monitor	No response
SPA2426A	0444	ROC	(C)--Ground/Vehicular Laser Locator Designator (GLLD/VLLD)	23Sep75 closely monitor	No response
SPA2702A		DMENS	(C) Terminal Homing Munitions	no action to date	
SPA3000A		DLR	(C) aircrew Survival/Armor/ Recovery Vest	no action to date	
SPA3190F		ROC	(C) Tactical Expendable Drone System	14Mar74 closely monitor	no response
SPA3191F		ROC	(C) Multipurpose Drones for the Tactical Forces	21Mar72 monitor	no response
SPA3191.1F		ROC	(C) High Altitude Long Endurance Drone	no action to date	

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
SPA 3193F		ROC	(C) DC-130 Airborne Flight director Modification	18Sep74 monitor	no response
SPA3200A	0743	TDR	U. S. ROLAND Classroom Trainer	28Sep78 monitor	No response
SPA3212A	1411	ROC	(C) Nuclear Warhead Section for the Pershing II Missile	no action to date	
SPA3222A	0740	ROC	(C)--All-Weather Short Range Air Defense Missile System (SHORAD)	12Aug74 closely monitor	No response
SPA3251F		ROC	(C) Air-to-Air Anti Radiation	22Apr77 monitor	RDD-22-mrc 17May77 monitor
SPA3323A	0551	ROC	(C) Interim Scout Helicopter	20Jan76 monitor	No response
SPA3324.1A	0557	ROC	(C) External Ammo Stores Mngt	20May76 Monitor	RDD-22-mrc 19Jul76 monitor
SPA3325A	0555	ROC	(C)--Attack Helicopter Target Wpn Sys.	20May76 active y monitor	
SPA3349A	0244	ROC	(C)--Manportable Common Thermal Night Sights	Feb77 adopt	No response
SPA3350A	0202R	LR	Cover Artillery Protection (TOW- CAP) Kit for the M113A1/TOW Carrier	10Mar76 continue to monitor/LOI	No response
SPA3352A	0212B (12)	MN	(C)--TOW Thermal Night Sight (TTNS)	29Jul74 adopt	No response
SPA3354A	0246	LR	Improved TOW Vehicle (1)	21Jul76 adopt	No response
SPA3370A	42379 24284	DPLQA	(C) Advanced Heavy Antitank Missile System (24284) and Ground Launched HELLFIRE Sys (42379)	no action to date	
SPA3371A	312b (7)	MN	Advanced Antitank Missile, Air- to-Ground (hellfire)	11May73 monitor	AX-46-lcb 29May73 closely monitor

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS	SELECTED / closely 'ER INEr
SPA3371.1A	23381	DPROC	(C)--Fire & Forget Seeker for the HELLFIRE	19Dec78 adopt	RDD-22-mrc 9Jan79	
SPA3392F		ROC	(C) Hard Structure Munitions	21Mar73 monitor	no response	
SPA3461A	0201R	LR	(C)--DRAGON Mounting Kit for the M113 Armored Personnel Carrier *Note: Listed under Dragon Mt. Kit M113-Ser Arm'd Pers Carrier & M122 MG Tripod	11Mar76 LOI		No response on file
SPA3462A		DLR	(C)--DRAGON Missile Jump Pack *Note: No correspondence since decision to monitor.	3Feb77 monitor		No response
SPA3491A	0502A	LOA	(C)--Air Defense Suppression System and Fire & Forget Missile for Army Helicopters *Note: Listed under Air Defense Suppression System	27Jun77 closely monitor	RDD-22-mrc 19Jul77	monitor
SPA3600A	0741	ROC	(C)--New Air Defense Gun	27Jun77 actively monitor		No response
SPA 3900F		ROC	(C) Homing Bombing system (HOBBS) for the B52-D	3Apr72 monitor	no response	
SPA5044A	0301A	LOA	XM1 Tank System Training Devices	21May76 adopt		No response
SPA5061A	0605A	LOA	Vehicle Magnetic Signature Duplicator (VEMADIS)	13Dec77 monitor		No response
NBC1010A	1100A	LOA	(C)--Nuclear Burst Detection System	14Nov75 monitor		No response
NBC2060A	1239A (17)	QMR	Tactical Survey Meter and Vehicular Radiac System AN/VDR-1	No Action		
NBC3009A	24509	LOA	Chemical Explosives Neutraliza- tion System (CHENS)	1Feb79 monitor		No response
NBC3060A	38018/ 1412R	LR	Amyl Nitrite Inhalant Ampule Training Device	2Dec77 LOI		No response

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
NBC4001A	14487	MN	Projectile, 155mm, Tactical CS	No Action	
NBC4011A	1938a (01)	QMR	Cartridge, 40mm, Riot Control, CS	No Action	
NBC4013A	1238A (13)	MN (ED)	Rocket, 66mm, Tactical CS	No Action	
NBC6005A	1201A	LOA	Remote Sensing Chemical Agent Alarm (Passive Lopair)	3Feb77 Initiate Adoption	RDD-24-vj 11Apr77 Participate in development
NBC6013A	24833	LOA	(C)--Automatic Liquid Agent Detector (ALAD)	18Sep79 adopt	
NBC6031A		DLR	(C)--Chemical Attack Warning Transmission System (CAWTS)	19Jan79 monitor	No response
NBC8013A		LOA	Interim Surface Decontamination	18Oct79 adopt	
INS2055A	39873	ROC	(C) Squad Automatic Weapon (SAW)	29Jan80 participate	RDD-25-mrc 30Jan80 monitor
INS2267A	0501	LR	Improved Lighting System for Army Aircraft	18Apr77 monitor	no response
INS2270A	203A	LOA	Smoke Screening Round for the 4.2 Inch (107mm) Morcar	No Action	RDD-22-gdb 13May77 monitor
INS3215A		DPROC	(C)--40mm Low Velocity Auto- matic Grenade Launcher *Note: No correspondence since recommendation to monitor.	22Nov74 monitor	
INS4210A	0202	LOA	Improved Screening Smoke Cart- ridge for the 91mm Improved Mortar	3Jan77 monitor	No response
INS5010	39873	LOA	(C) MOUT/Assault Weapon	no action to date	
INS5022A		LOA	(C) Advanced Medium Antitank Missile System	no action to date	

FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
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INS5023A		LOA	(C) Guided Antiarmor Mortar Projectile (GAMP)	no action to date	
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INS5045A	237b (11)	QMR	Medium Antitank Assault Weapon	No action to date	
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AIR FORCE DOCUMENTS

SPA2226F		ROC	(C)--Improved Smoke/Screening Munitions	3Jun77 adopt	RDD-22-gdb 5Jul77	monitor/participate
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SPA3100F		ROC	(C)--Improved FAC Aircraft (FAC-X)	16Mar76 monitor	RDD-22-gdb 19Mar76	monitor
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SPA3155F		MENS	(C)--Enhanced Tactical Fighter (ETF)	15Nov78 monitor		No response
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SPA3326F		ROC	(C)--Fuel Air Explosive (RAE) Munition	26Apr73 closely monitor	AX-46-bjg 4Apr73	monitor
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NBC 1012A		LR	NBC Contamination Marking Set	13May80 participate in Dev/LOI	no response	
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NBC2017A	113a (12)	ROC	(C) Improved M422 Nuclear Projectile	no action to date		
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NBC3072A	1238a (12)	MNED	(C) 155mm Binary respiratory Chemical Projectile	no action to date		
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NBC6035F		ROC	(C) Point CW Agent Detection and Alarm System	no action to date		
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NBC 6037F		ROC	(C) Area CW Agent Detection and Alarm System	no action to date		
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NBC 7003A	1243	ROC	Chemical Warfare (CW) Agent Protective Patient Wrap (APPW)	9Jun77 monitor	RDD-24-vj 12Jul77	monitor
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FILE NO.	ACN/ CARD#	TYPE	SUBJECT	MCDEC RECOM'D ACTION AND DATE OF LETTER	CMC DIRECTED ACTION AND DATE OF LETTER INSTRUCTIONS
NBC7007F		ROC	(C)--Collective Chemical/Bio- logical Protective Equipment	28Aug75 monitor	RDD-24-gdb 16Jun76 monitor
NBC7011F		ROC	(C)--CW Mask for Tactical Fighter Aircrews	16Feb79 adopt	No response
NBC7028F		ROC	CW Protective Respiratory Mask	no action to date	
NBC8003F		ROC	(C)--Chemical/Biological Agent Decontaminant	14May75 monitor	RDD-25-mdl monitor
NBC 8005A	51252	LOA	Large Scale Decontamination Device	6May80 monitor	no response
NBC8030A	1202A	LOA	Decontamination Apparatus for Vehicles	not action to date	
AAS1012F		ROC	(C)--Location Strike System(LSS)	18Sep74 monitor	No response
AAS2033A	22415	ROC	(C) Stinger Guided Missile	no action to date	

SECTION V
MARINE CORPS DEVELOPMENTAL BULLETINS (DB) AND
OPERATIONAL HANDBOOKS (OH)

DEVELOPMENTAL BULLETINS

DB 1-78	EMPLOYMENT OF PARKHILL COMMUNICATIONS SECURITY EQUIPMENT
DB 2-78	EMPLOYMENT OF VINSON COMMUNICATIONS SECURITY EQUIPMENT
DB 3-78	EMPLOYMENT OF THE HELICOPTER COMMAND AND CONTROL CENTRAL (HC4)
DB 1-79	ELECTRONIC WARFARE OPERATIONS HANDBOOK
DB 2-79	SOURCE DATA AUTOMATION (SDA) OPERATION
DB 3-79	GUIDELINES FOR EMPLOYMENT OF SECURE VOICE MODULE TSEC/KYV-2
DB 4-79	TACTICAL FREQUENCY MANAGEMENT SYSTEM AN/TRQ-35
DB 5-79	CONTROL SET C-6709 NET RADIO INTERFACE
DB 6-79	AUTOMATED MESSAGE ENTRY SYSTEM (AMES)
DB 7-79	TACTICAL FACSIMILE SET AN/GYC-7A
DB 8-79	COMMUNICATIONS TERMINAL AN/UGC74A(V)3

OPERATIONAL HANDBOOKS

OH 3-4	ELECTRONIC WARFARE OPERATIONS
OH 4-5	MEDICAL REGULATING
OH 4-5.1	DENTAL BATTALION
OH 5-4	CLOSE AIR SUPPORT (CAS)
OH 5-4.1	RADAR BEACON EMPLOYMENT
OH 6-3	OPERATION OF THE REVISED INFANTRY BATTALION
OH 8-5	COLD WEATHER OPERATIONS
OH 9-3	MECHANIZED COMBINED ARMS TASK FORCE (MCATF)

SECTION VI
MISSION AREA STRUCTURE DEFINITIONS

<u>Mission Area</u>	<u>Mission Element</u>	<u>Mission Element Sub-Category</u>
210		Land Warfare Addresses those efforts directly related to the projection of tactical combat power on a land mass.
	211.0	Close Combat Addresses those efforts directly related to the acquisition of direct combat power except air defense and indirect firepower. Included are Army and Marine Corps programs for light weapon combat mobility and firepower attack helicopters and anti-armor capabilities.
		211.1 Infantry Systems/Light Weapons
		211.2 Armor
		211.3 Anti-Armor/Material
	212.0	Fire Support Addresses those efforts directly related to the acquisition of indirect fire combat power. Included are programs for field artillery weapons and communications, terminal homing munitions and missiles, ship-based guided and ballistic gunnery systems.
		212.1 Artillery & Organic Comm Equip.
		212.2 Mortars
		212.3 Rockets/Missiles
		212.4 Survey
		212.5 Meteorological
		212.6 Special Purpose Weapons
		212.7 Munitions
		212.8 Terminal Homing Weapons

<u>Mission Area</u>	<u>Mission Element</u>	<u>Mission Element Sub-Category</u>
	213.0	Ground Air Defense Addresses those efforts directly related to the development of air defense of all ground forces, including air bases, port facilities, etc.
	213.1	Missiles/Rockets
	213.2	Other Weapon Systems
	214.0	Mine Warfare Addresses those efforts related to mine/counter-mine warfare (including air delivered mine barrier systems).
	214.1	Mine Countermeasures
	214.2	Land Mines
	214.3	Barrier Systems
	215.0	Land Combat Support Addresses those efforts directly related to combat engineer efforts, NBC warfare and non-systems related tactical night vision devices.
	215.1	Engineer
	215.2	Nuclear, Biological, Chemical
	215.3	Explosive Ordnance Disposal
	215.4	Tactical Night Vision Devices
	215.5	Combat Support Vehicles
	215.6	Other Operations
	216.0	Land Combat Service Support Addresses those efforts directly related to capabilities which provide land tactical commanders, supply, maintenance, energy, aviation and medical support (except troop and supply transport which is part of Airlift, MA 261).

<u>Mission Area</u>	<u>Mission Element</u>	<u>Mission Element Sub-Category</u>
		216.1 Individual Clothing and Equipment
		216.2 Supply & Maintenance
		216.3 Services
		216.4 Shelters
		216.5 Combat Service Support Veh.
		216.6 Medical and Dental
		216.7 Mobile Electric Power
220		Air Warfare Addresses those capabilities required for counter-air, close air support, interdiction, defense suppression, special operations, and air warfare support. Includes capabilities required for rescue and recovery operations.
	221.0	Counter Air Addresses capabilities required to counter enemy air operations; includes neutralizing aircraft in the air as well as on the ground, plus airfields and support facilities; excludes fleet air defense.
	222.0	Offensive Air Support/CAS/Interdiction Addresses those capabilities required to conduct offensive air operations against hostile targets which are in close proximity friendly forces. This includes support of amphibious landing operations, as well as efforts for attacking both the first and second elements of an enemy's ground order of battle and for halting an armored attack.
		222.1 Weapon Systems
		222.2 Aircraft
	224.0	Defense Suppression Addresses those capabilities to degrade, neutralize or destroy fixed and mobile surface (land/sea)-based elements of enemy air defense systems.

<u>Mission Area</u>	<u>Mission Element</u>	<u>Mission Element Sub-Category</u>
	225.0	<p>Air Warfare Support Addresses those capabilities required to support all air warfare mission areas including NBC programs, medical and life support, and rescue and recovery capabilities. Also includes capabilities required to perform heavy repair civil engineering. Also addresses Air Force special operations capabilities required to support foreign internal defense, psychological operations, unconventional warfare and other functions considered adjunct to or in support of the full spectrum of military operations.</p>
	225.1	Clothing and Equipment
	225.2	Supply and Maintenance
	225.3	Aircraft Non Weapon Systems
230		<p>Naval Warfare Addresses those efforts directed at establishing control over maritime areas, use of such control to conduct tactical operations against land targets (except as such operations involve tactical aircraft), and disrupting enemy attempts to utilize maritime forces to strengthen and assist his operations.</p>
	235.0	<p>Amphibious Warfare Addresses those efforts required for limited interventions, as well as part of a major conflict, directed at supporting friendly countries or seizure or neutralization of enemy-held territory or facilities through landing sea-based special warfare forces.</p>
	235.1	Assault Amphibious
	235.2	Naval Gunfire
	235.3.	Amphibious Reconnaissance
	237.0	<p>Naval Warfare Support Addresses those efforts directed at supporting forces and systems assigned to other naval warfare mission categories. Includes logistics, maintenance and repair, training, transportation, search and rescue, NBC warfare, medical support, etc.</p>

<u>Mission Area</u>	<u>Mission Element</u>	<u>Mission Element Sub-Category</u>
240		<p>Tactical Nuclear Warfare Addresses those capabilities required to complement and provide a link between conventional and strategic nuclear forces (intended to deter theater nuclear and conventional attacks and to respond, as appropriate, in the event of attack).</p>
	243.0	<p>Defensive Tactical Nuclear Warfare Addresses those capabilities for maintaining defensive nuclear capability in a theater. (Includes surface-to-air missiles and atomic demolition capabilities.)</p>
250		<p>Theater and Tactical Command, Control, Communications & Intel Addresses the capability to provide survivable, reconstitutable, secure and interoperable means for theater and tactical force management and technical support of theater nuclear and general purpose force operations prior to, during and after conflict short of general war.</p>
	254.0	<p>Tactical Command, Control and Intel Systems Addresses those capabilities required to command and control tactical units. Includes tactical information systems, command and control of task force air defense, anti-submarine warfare and amphibious operations, and area and autonomous identification systems.</p>
	254.1	<p>Ground Tactical Command & Control System</p>
	254.2	<p>Aviation Tactical Command & Control System</p>
	254.3	<p>Tactical Intel Systems</p>
255.0		<p>Tactical Surveillance, Reconnaissance and Target Acquisition Addresses the capability to determine movement, character, and disposition of hostile units and the acquisition of targets for direction of tactical firepower. Includes airborne surveillance in support of air defense and command and control. Excludes target acquisition capabilities that are integral to a given weapon system.</p>

<u>Mission Area</u>	<u>Mission Element</u>	<u>Mission Element Sub-Category</u>
	256.0	Tactical Communications Addresses the capability to communicate with, and between, tactical units.
	257.0	Electronic Warfare and Counter C ³ -I Addresses the capability to target, disrupt, deceive and exploit hostile electromagnetic equipment and systems. Includes self-protection systems.
260		Mobility Addresses the capabilities required to project, resupply and support military forces deployed by inter-theater, intra-theater, and administrative airlift, sealift and land transportation; air refueling for strategic forces, tactical forces; airlift forces; sea-refueling in support of ships at sea; and the capabilities required for medical evacuation and non-combatant airlift.
	261.0	Airlift Addresses those capabilities required for air transportation to rapidly project substantial combat ready forces to any location worldwide and to provide intra-theater air transport to support theater operations. Includes capabilities required for inter-theater deployment; air, land, air drop or extraction; medical and non-combatant evacuation, logistical airlift, executive and mission support; airborne operations; and special air support operations such as the Joint Airborne Communication Center/Command Post.
		261.1 Assault Support
	262.0	Sealift Addresses those capabilities which maintain, improve and develop the capability to transport passengers and cargo (including POL and mail) by both military and commercial carriers, including military cargo, tanker, and support ships. Excludes capabilities for seaport terminal operations, traffic management, integral command and control systems, and the Defense Freight Railway Interchange Fleet.

<u>Mission Area</u>	<u>Mission Element</u>	<u>Mission Element Sub-Category</u>	
	264.0		<p>Refueling</p> <p>Addresses those capabilities required to maintain, improve and develop refueling of ships at sea, air-lift aircraft, and tactical fighters. Includes the dual role advanced tanker/cargo aircraft and replenishment of ships.</p>
		264.1	<p>Tactical Refueling</p>
320			<p>Defense Wide C³-I Support</p> <p>Addresses the capabilities required for providing informational and communications support to defensewide activities/operations.</p>
	321.0		<p>Navigation and Position Fixing</p> <p>Addresses the capabilities required for global, local and autonomous electromagnetic and inertial means for vehicle navigation and position fixing for multi mission or multi-platform operations. Includes mapping, charting, geodesy, microwave landing systems, and precise time and time interval (PTTI) activities.</p>
		321.1	<p>Navigation</p>
		321.2	<p>Position Fixing</p>
	322.0		<p>Support and Base Communications</p> <p>Addresses the communications capabilities required for headquarters, range and test facilities, bases and support operations.</p>
	324.0		<p>COMSEC</p> <p>Addresses the capability to protect U.S. telecommunications from exploitation.</p>
430			<p>Non-System Training Devices</p> <p>Provide the services with training devices and simulator prototypes. Among the goals are cost-effective training devices for operating and maintenance personnel, conservation of resources, improved proficiency, realistic warfare training, and flight training improvements. Although cost-effectiveness is a major factor in developing training devices, improved proficiency of personnel in the performance of their work is a necessary and essential goal of this program.</p>

<u>Mission Area</u>	<u>Mission Element</u>	<u>Mission Element Sub-Category</u>
	431.0	Training Devices/Simulators
		431.1 Training Devices
		431.2 Simulators
450		Test and Evaluation Support Provide resources to support DoD test and evaluation programs.
	453.0	Joint Test and Evaluation Provide for a program of tests of weapon systems wherein the assets of one or more of the Services are used with or against the assets of another Service.
		453.1 Weapon System Testing
	454.0	Other Test and Evaluation Support Provide for generalized instrumentation, equipment, facilities and methods for support of weapon system testing, including radar, telemetry, communications, scoring systems, test data processing systems, underwater sensors, threat and environmental simulation devices, developmental and operational testing techniques, test support ships and aircraft, system survivability assessment and improvement techniques, electromagnetic pulse and interference facilities and techniques, instrumentation, and procedures for testing at sea.
		454.1 Weapon Sys. Testing Support Facilities
460		International Cooperative RDT&E Addresses efforts related to achieving improved Rationalization, Standardization and Interoperability through data exchanges, joint projects, evaluation of foreign weapon systems, material or related technology.
	461.0	Rationalization, Standardization, and Interoperability of Related Technology
		461.1 Data Exchange/Joint Projects Evaluation of Foreign Weapons Systems

<u>Mission Area</u>	<u>Mission Element</u>	<u>Mission Element Sub-Category</u>
470		<p>Management Support</p> <p>Addresses miscellaneous management support activities which cannot be identified with any other major mission area.</p>
	471.0	<p>General Management Support</p> <p>Addresses miscellaneous management support activities which cannot be identified with any other mission area.</p>
520		<p>Exploratory Development</p> <p>Addresses those capabilities required by the Services to solve broadly defined problems, short of major development programs, in order to develop and evaluate technical feasibility.</p>
	521.0	<p>Electronic and Physical Sciences</p> <p>Addresses those capabilities required to provide Service Exploratory Development programs for design and development of military equipment to provide functions such as search, target acquisition, fire control, command and control, information processing, electronic warfare and night vision.</p>
	521.1	Target Acquisition
	521.2	Training
	521.3	Command and Control
	521.4	Human Resources
	521.5	Electronic Warfare/ECM
	521.6	Supply, Logistics and Maintenance
	521.7	Surveillance
	521.8	Communications
	521.9	Electronics

<u>Mission Area</u>	<u>Mission Element</u>	<u>Mission Element Sub-Category</u>
	522.0	Environmental and Life Sciences Addresses those capabilities required to provide Service Exploratory Development programs that lead to better understanding of land, atmosphere and space as they affect the health and welfare of military personnel and the operation of military equipment, as well as the reduction of pollution in the environment. Also, includes technologies relating to the human resource needs of the military.
	522.1	Land, Atmosphere and Space effects on Health and Welfare of personnel
	522.2	Land, Atmosphere and Space effects on the Operation of equipment
	522.3	Reduction of Pollution in the environment
	523.0	Engineering Technology Addresses capabilities required for Service Exploratory Development programs in aircraft, tanks, propulsion, vehicles, bombs, missiles, materials, structures, etc., for design and development of weapon systems.
	523.1	Aircraft
	523.2	Tanks
	523.3	Engineer
	523.4	Vehicles
	523.5	Munitions
	523.6	Missiles/Rockets
	523.7	Materials
	523.8	Structures
	523.9	Artillery